### DATA PROCESSING DIVISION **USAFETAC** Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

LUKE AFB ARIZONA/PHOENIX N 33 32 W 112 23

ELEV 1121 FT KLUF

WBAN# 23111 VMO#

PARTS 4-F

POR FROM HOURLY OBS: DEC 41-FEB 46, AFR-NOV 46, AFR 51-JUL 72 POR FROM DAILY OBS: DEC 41-FEB 46, AFR-NOV 46, AFR 51-JUL 72

MAR 13 1974

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This technical report has been reviewed and is approved for publication.

MICHAEL W. PRESTON, SMS, USAF NCOIC, Climatelogical Services Branch

FOR THE COMMANDER

Scientific & Technical Information Officer

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SECURITY CLASSIFICATION OF THIS PAGE (When Date Entered)

REPORT DOCUMENTATION PAGE	READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER 2 GOVT ACC	SSION NO. 3 RECIPIENT'S CATALOG NUMBER
USAFETAC/DS-79/021	
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Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Luke AFB	Final rept.
Phoenix, Arizona	6 PERFORMING ORG. REPORT NUMBER
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	SCHEDULE
17 DISTRIBUTION STATEMENT (of the abstract antered in Block 20, 11	dillerent Irom Report)
18 SUPPLEMENTARY NOTES	
19 KEY WORDS (Continue on reverse alde II necessary and identity by b	lock number)
*RUSSWO Daily temperature	Atmospheric pressure
Snowfall Extreme snow depth	Extreme suríace winds
Climatology Sea-level pressure	Psychrometric summary
Surface Winds Extreme temperature Relative humidity *Climatological data  20 ABSTRACT (Continuo on co oras elde Il necessary and Identity by bi	Ceiling versus visibility (over)
20 ABSTRACT (Continue on reverse side if necessary and identity by bi	ock number)
This report is a six-part statistical summar	y of surface weather observations for
Luke AFB, Phoenix, Arizona It contains the following parts: (A) Weather	Conditions: Atmosphanic Phanamara
(B) Precipitation, Snowfall and Snow Depth (	daily amounts and extreme values).
{C)	lity: Sky Cover: (E) Psychrometric
Summaries (daily maximum and minimum tempera	tures, extreme maximum and minimum
temperatures, psychrometric summary of wet-b	ulb temperature depression versus
dry-bulb temperature, means and standard dev	iations of dry-bulb, wet-bulb (over)
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- 19. Percentage frequency of distribution tables
  Dry-bulb temperature versus wet-bulb temperature
  Cumulative percentage frequency of distribution tables
  - \* Arizona

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Luke AFB AZ

20. and dew-point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurrence tables.

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DATA PROCESSING DIVISION UNAFETAC OL-1 AIR WEATHER SERVICE (MAC)

# REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

#### HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

#### DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

#### DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U.S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this stations

PART A WEATHER CONDITIONS PART & DAILY MAX, MIN, & MEAN TEMP ATMOSPHERIC PHENOMENA EXTREME MAX & MIN TEMP PART B PRECIPITATION PSYCHROMETRIC-DRY VS WET BULB SNOWFALL MEAN & STD DEV . (DRY BULB, WET BULB, & DEW POINT) SNOW DEPTH RELATIVE HUMIDITY PARTC SURFACE WINDS. PART D CEILING VERSUS VISIBILITY PART F STATION PRESSURE SKYCOVER SEA LEVEL PRESSURE

#### STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following set of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1/00, 1800-2000, 2100-2300 hours local standard time.

#### · MISSING HOUR GROUPS,

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly

JANUARY	, APRIL	, July	OCTOBER
FERRURY	WAY	AUGUST	Noveheer
MARCH	June	SEPTEMBER	· DECEMBER_
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STATION F	O ON SUMMARY	STATION NAME			ATITUDE	LONGI	TUDE	STATION ELEV (FT)	CALL SIGN	WMO NU	MBER
2	3111	LUKE AFR ARIZONA/PHOFN	TX		N 33 32	<u> </u>	112 23	1121	KIUF		
		STATION LOCA	TION	AND	INSTR	NUS	ENT	H NOITA	ISTOR	Υ ,	
NUMBER		PERCENTURAL INCATION & WALLE	TYP		THIS LOCATION		ATITUDE	LONGITUDE	ELEVATION A		_
LOCATION		GEOGRAPHICAL LOCATION & NAME	. STATI	ON FROM	TO		,,,		STATION (FT)	WE BAKOMETER	
1 2 3 4 5 6		eld Arizona B Arizona	AAI Sar Sar Sar Sar Sar	Apr 5  Mar 5  Mar 5  Mar 5  Mar 5  Mar 5	1 Feb 53 3 Mar 55 5 Feb 58	Sa N 3 Sa 62N 3	une 33 30 une	W 112 22 Same Same Same W 112 23 Same	1092 Same 1116 Same 1121 . Same	1095Ft Same 1093Ft Same Same . 1087Ft	
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		* * - \$1% **\\$*	**								
NUMBER	DATE	SURFA	CE WIND EQUIP	IENT INFORMAT	ION						
OF LOCATION	OF CHANGE	LOCATION			E OF TYPE		HT ABOVE CROUND	REMARKS, ADDITIO	NAL EQUIPMENT.	OR REASON FOR	CHA
	Dec 41to	Located in N half of	Bldg 27-	2. Anen	nometer N	/A	20 Ft				
2	Apr. 43 May 43to	Same Bldg T-439	•	Sel	lsyn ML	-144	Same			1	
3	Nov 46 Apr 51to 28 Mar 54	Located on platform of Station.	n Weathe	r AN/C	emq-1 n,	/A	33 Ft			. 1	
4	29 Mar 54 20 Feb 58		rations	Bldg. Sa	ume N,	/A	29 Ft			1.	
5	Mar 58to Peb 59	Located on top of Con	trol Tow	er. S	ume N	/A	75 Ft			į	
≈6 ·.	Mar 59to Feb 61	Located 1000 ft N of	Control	Tower AN,	/GMQ-11 R	0-2	10 Ft			•	
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CUMBER	DATE	St	URFACE WIND EQUIPMENT INF	ORNATION				
OF OCATION	OF CHANGE	LOCATION		TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE CROUND	REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE	
7	Mar 61to Jun 70	SE from center of Rn	wy 03R	Same	Same	12 Ft	ad a. B	
8		2.Located 900 ft NW 1.Located 950 ft N SE from center of Rm	of ROS,600 ft	Same Same	RO-362	Same Same	The west of the same of the sa	
	100	2.Located 900 ft NW near approach end o	of Texiway, f Rnwy O3L.	Same	R0-2	Same	in a chole arizona in the classificate case	ŝ
	Jan 71to	3.Located 550 ft NE 21R. 1911	ີ	Same AN/CMQ-2	RO-362	Same Same	erus erus Citos	
	Jul 72	2. Located 550 ft NE 21R.	of end of Rnwy	Same		Same	5 (20)	~
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			#9 . 1 g-	. <u></u>		î Îoras	Yê del . An 31 COCI besend love fe N of . . fo ch.	,
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DATA PROCESSING DIVISION ETAC/USAF AIR WEATHER SERVICE (MAC) ASHEVIILE, NORTH CAROLINA

PART A

#### WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

- 1. By month and annual, all hours and years combined.
- 2. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet ~ Included are snow, sleet, snow pellets (so't hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included.

<u>Percentage of observations with precipitation</u> - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

4 1

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

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### **WEATHER CONDITIONS**

23111 LUKE AFB ARIZUNA/PHOENIX 41-46,51-72 ALL STATION STATION NAME HINOM YEARS

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

нтиом	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR ORIZZLE	SNOW AND/OR SLEET	HAIL	% OF ORS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	ALĻ	. C	3,0		•¢		3.0	1.1	•8		,1	1.9	19200
FEB		.1	2,5			•0	2,5	,3	, 2		• 2	.6	17093
⊮AR		.1	2.3				2,3	•2	.1		,2	,5	15500
APR		.1	1.1				1.1		•1		. 2	.3	18919
MAY		٠,	• 4				<b>,</b> 4	0,	•0		,1	.2	19963
JUN		, 3	, 3				, 3		,1		•3	.4	19066
JUL		1.2	1,9				1,9	•0	,1		,7	• 5	19804
AUG		1.9	2.5				2,5	•1	•1		•7	• 8	19312
SEP		.6	1,5			•0	1,5	•0	,0		,3	.4	18690
ЭСТ		.2	1.4				1,4	•1	,1		, 2	,4	19309
YOV		. 1	1.7				1,,7	.3	, 5		,1	.9	18321
DEC		.1	3,1		•0	.0	3.2	1.1	1,1		,0	2.1	19288
TOTALS		.4	1,8		,0	•0	1.8	• 3	,3		.3	. 8	227470

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### PERCE TAGE FREQUENCY OF OCCURRENCE OF MEATHER CONDITIONS FROM MOURLY OBSERVATIONS

нтиом	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OP DRIZZLE	FREEZING RAIN & /OR ORIZZLE	SHOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	SNOW	DUST AND/O2 SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
.ن∆ئ	10-02		2.5				2.8	.5	•1		,î	.9	2393
	?3 <b>-</b> 05	•^	2,9		ŧ¢.		2,9	1.5	,3		.1	1.7	2405
	୍ଦ-ଧନ		3,3		• 0		3,3	1.8	•7			2.4	2405
	19-1:		3,3		• 0		3,3	2,0	1,7		• 1	3.7	2397
	12-14		2,6				2,6	1.0	2,4			3.3	2404
	15-17	.:	3,2				3.2	.7	.8			1.5	2403
	15-20		2,9				2,9	,6	, 3			. 9	2400
	21-23		2.7		٥٤		2,7	.6	. 2		.1	, 9	2393
	<del> </del>						-						
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TOTALS		• `	3,0		• c		3.0	1.1	,8		,1	1.9	13500

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### **WEATHER CONDITIONS**

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### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

нтиом	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	X OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02		2,7				2.7	. 1	•0		, 2	•4	2136
	03-05	٥٠	2,3				2,3	, 3			,0	• 3	2136
	06-08	.0	2,3				2,3	, 5	<b>,</b> 2		,1	. 8	2134
	09-11		2,0				2,0	• 2	, 5		, 2	, 9	2136
	12-14	. 2	2,6			,0	2,6	, Z	, 3		,2	• 7	2136
	15-17	, 3	3,0				3,0	<b>,</b> 2	,2		,4	. 8	2130
	18-20	, 1	2,9				2,9	, 3	,1		, 3	• 7	2141
	21-23		2,5				2,5	,3	,1			• 4	2144
TOTALS		.1	2,5			.0	2,5	, 3	, 2		.2	.6	17093

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### **WEATHER CONDITIONS**

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### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S f.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKÉ AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00-02	٠,٥	2,1				2,1				.1	•1	2312
	03-05	.1	2,0				2,0	. 2	, 1		.0	. 3	2311
	06-0A	.1	2,3				2,3	.6	, 1		, 1	• B	2316
	09-11	. 1	2,2				2,2	, 5	,1		,2	.7	2316
	12-14	.2	2.7				2,7	, 2	, 2		<b>•</b> '7	1.1	2310
-	15-17	.1	2,4				2,4				,6	,6	2311
	18-20	. 2	2,6				2,6				•1	, 1	2311
	21-23		2.0				Ę,ō				,1	•1	2313
					 					<u></u>			
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TOTALS		.1	2,3				2,3	• 2	,1		, 2	. 5	18500

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### **WEATHER CONDITIONS**

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## PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

нтиом	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SHOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-02		• 7				,7		,1		•0	.2	2365
-	03-05	.0	, 8				, 8		,1			, 1	2365
	06-08	•0	1,4				1,4		, 2		٥٠	.3	2366
	09-11		1,6				1,6		, 2		,1	, 3	2366
	12-14	. 1	1,4		-		1,4		,1		,3	.4	2364
	15-17	.1	, 9				, 9		,0		, 8	.8	2362
	18-20	, 3	1,2				1,2		•0		, 5	,6	2362
	21-53		1,1				1,1				•0	,0	2369
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													·
TOTALS		.1	1,1				1,1		, 1		, 2	,3	18919

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### PERCENTAGE FREQUENCY OF OCCURRENCE OF HEATHER CONDITIONS FROM HOURLY OBSERVATIONS

TOTALS		.0	,4				,4	,0	•0		.1	.2	19968
*													
<del></del>											<u> </u>		
	21-23		• 6				,6				,0	1	2494
	18-20	• 1	,6				,5		,0		, 4	• 4	2498
	15-17	.1	<b>,</b> 3				,3		, 2		, 4	.6	2494
	12-14		, 2				, 2		,0		,2	. 2	2497
	09-11	.0	,2				,2	·	•0			.0	2492
	96-08		,1				,1	,1				,1	2494
	03~05	.1	•4				,4	•0				.0	2499
МΑY	00-02		• 4				, 4				, 1	. 1	2500
нтиом	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /ÓR DRIZZLE	SNOW SLEET	HAIL	% OF OBS WITH PRECIP.	ЮG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.

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### **WEATHER CONDITIONS**

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### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	8LOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02	.3	, 5				, 5				,1	•1	2383
	03-05	. 1	,3				, 3				, 1	.1	2382
	06-08	. 1	, 2				, 2		,0		•0	•1	2382
	09-11	, 2	,3				, 3		, 2		,1	, 3	2382
	12-14	. 2	,1				, 1		,2		,2	,4	2382
	15-17	. 5	, 3				, 3		,1		, 3	, 4	\$386
	18-20	. 3	,3				, 3				1,0	1.0	2384
	21-23	.3	,3				, 3				,6	,6	2385
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TOTALS		.3	,3				,3		,1		,3	.4	19066

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### **WEATHER CONDITIONS**

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

нтиом	HOURS (L S.T.)	THUNDER, STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUL	00-02	2.4	3,8				3,8				• 7	.7	2442
	03-05	1.0	2,1				2,1				,2	.2	2413
	06-08	.3	1,3				1,3	٥٠	,2		.1	.4	2491
	09-11	, 1	1,0				1,0		,4		,1	, 5	2484
	12-14	. 2	, 8				, 8		,1		,1	•2	2494
	15~17	. 2	, 4				, 4				,6	,6	2494
	18-20	1.6	2,3				2,3				2 • 2	2.2	2489
	21-23	4,1	3,5				3,5				1,7	1.7	2497
TOTALS		1.2	1,9				1,9	•0	,1		<i>i</i> 7	.8	19804

USAFETAC FORM 0-10-5 (OL-1), MENIOUS EDITIONS OF THE FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR MEATHER SERVICE/MAC

#### **WEATHER CONDITIONS**

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LUKE AFB ARIZONA/PHOENIX

42-46,51-71

AUG

STATION

STATION NAME

HINCM

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

нтиом	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAħ	% OF OBS WITH PRECIP.	fOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02	3,6	4,6				4,6	, 2			,6	.8	2414
	03=05	1.6	2,7				2,7	, 2			, 3	, 5	2411
	06-06	.7	2.1				2,1	,1	<b>,</b> 2		,1	.4	2410
	09-11	. 5	1,2				1,2		, 1		,1	, 2	2415
	12-14	. 3	1,0				1,0		• 1		,0	,1	2416
	15-17	.7	• 9				, 9				• 6	• 9	2416
	18-20	2.0	2,3				2,3	.0			1,9	2,0	2415
	21-23	4,8	5.1				5,1	•0	•0		1,6	1,7	2415
TOTALS		1.9	2,5				2,5	, 1	,1		<i>i</i> 7	. 8	19312

USAFETAC FORM 0-10-5 (OL-1), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/HAC

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### **WEATHER CONDITIONS**

SEP

HINON

LUKE AFB ARIZONA/PHOENIX 23111 42-46,51-71 STATION STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
SEP	00-02	.7	1,7				1,7				, 2	, 2	2338
	03-05	.7	1,8				1,8	•0				•0	2335
	06-08	.4	1,7				1,7	,3			,1	.4	2337
	09-11	,4	1,0				j*0	•0	,0		,1	•2	2337
	12-14	.2	1,2			,0	1,2	•0	,0		,1	.2	2334
	15-17	, 6	1,4				1,4				•6	,6	2336
	18-20	,9	1,5				1,5				<b>,</b> 8	,8	2335
	21-23	1.1	1,5				1,9		•0		,5	,6	2338
TOTALS		.6	1,5			•0	1,5	•0	•0		<b>,</b> 3	,4	18690

USAFETAC FORM 0-10-5 (OL-1), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING TRA CHUSAF ETAC AIR WEATHER SEPVICE/\*AC

### **WEATHER CONDITIONS**

23111

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LUKE AFB ARIZONA/PHOENIX

42-46,51-71

DCT

STATION

STATION NAME

HINOM

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZŁE	FREEZING RAIN & 10R DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	fOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	* OF CBS WITH OBST TO VISION	TOTAL NO OF OBS.
UCT	00-02	,2	1,6				1,6	•1				•1	2415
	03-05	.3	1,5				1,5	•0	,1			.1	2413
	06-08	ءَ و	1,4				1,4	, 2			, 2	. 4	2414
	09-11		1,2				1,2	<b>,</b> 2	, 2		,5	• 9	2412
	12-14	. 2	1,2				1,2	. 1	, 1		,3	, 5	2412
<del></del>	15-17	.3	1,2				1,2		,1		,5	,6	2414
	18-20	.3	1,2				1,2	,1			,3	, 5	2413
	21-53	.3	1.9				1,9	, 1			•0	. 1	2416
	<u> </u>										<del></del>		
							<u> </u>						
		 					<u> </u>						
TOTALS		. 2	1,4				1,4	, 1	41		•2	.4	19309

USAFETAC FORM 0-10-5 (OL-1), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PRUCESSING RRANCH USAF ETAC AIR WEATHER SERVICE/MAC

### **WEATHER CONDITIONS**

23111 LUKE AFB ARIZUNA/PHDENIX 42-46,51-71 NOV STATION STATION NAME HINOM

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

нтиом	HOURS (L.S T.)	THUNDER. STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	8LOWING SNOW	DUST AND/OR SAND	X OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
NOV	00-02	٥.	1.6				1,6	.3	,4		+1	.8	2293
	03-05	,2	2.0				2,0	.3	,3			.7	2292
	06=08	.1	1.8				1,8	, 5	,5			1.0	2291
	09=11	.0	2,1				2,1	• 5	, 8		•0	1,1	2291
	12-14	.0	1,8				1,8	• 4	, 5		,3	1,2	2288
	15-17	, 1	1,4				1,4	• 2	, 5		, 3	1,0	2285
	18-20	.0	1,2				1,2	<b>,</b> 2	, 3		<b>,</b> 2	.7	2290
	21-23	• 2	1,4				1,4	. 2	,4		,1	, 8	2291
													<del></del>
TOTALS		.1	1,7				1,7	• 3	,5		,1	.9	18321

USAFETAC FORM 0-10-5 (OL-1), MEYIOUS SOTTIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF ETAC AIR HEATHER SERVICE/MAC

#### **WEATHER CONDITIONS**

23111

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LUKE AFB ARIZONA/PHOENIX

41-45,51-71

DEC

STATION

STATION NAME

HINOM

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S T.)	THUNDER- STORMS	RAIN ALD/CR DRIZZLE	FREEZING RAIN & /CR DRIZZLE	SNOW AND/CR SIEET	HAIL	% OF OBS W!IH PRECIP.	fOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-05	.0	3.0		• 1		3,1	. 9	, 4			1.2	2409
	03-05	٥.	3,6				3,6	1,4	,6			1.9	2411
	06-08	.1	3,1		•0		3,1	1,8	, 9			2.4	2413
	09-11	. 1	2,8			•0	2,8	1.5	1,7		•0	3.1	2409
	12-14		3,7	\			3,7	1,0	1,7			2.7	2411
	15-17	.1	3,3				3,3	1,0	1,6			2.6	2424
	18-20	.1	2,7				2,7	, 3	1,0		•0	1.6	2410
	21-23	.0	2,9				2,9	,3	,6			,9	2411
											l		
TOTALS		,1	3.1		•0	.0	3,2	1.1	1,1		•0	2.1	19288

USAFETAC  $_{ARY.64}^{FORM}$  0-10-5 (OL-1), previous editions of this form are obsolete

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#### PART A

### ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the Phenomena in the Weather Conditions Surmary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and ", OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949.

Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust end/or sand was punched and included in this summary only when visibility was less than 5/6 mile.

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

23111

LUKE AFB ARIZOMA/PHDENIX

51-72 46,

ALL

STATION

STATION NAME

YEARS

MONTH

### PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FRUM DAILY OBSERVATIONS

#ONTH	HOURS (L.S.T.)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	OF OBS	TOTAL NO. OF OBS.
JAN	DAILY	. 4	14.4		. 1	, 1	14.6	5.0	4.8		• 3	8.9	682
FEB		2.0	13,6		.2	. 5	13,8	1.6	1.6		• 7	3.6	\$( <sup>B</sup>
MAR		1,5	13,5			. 6	13.5	2.0	1.1		• 6	3.4	651
APR		.7	10.5			. 1	14	. 1	1.3		1.6	3.1	673
MAY		1,2	5.4			, 1	6.1	• 3	•7		• 9	1.9	690
JUN		4.3	6.5				6.2		. 5		1.7	2.6	690
JÜL		20.9	26.0			. 2	26.1	.3	1.2		8.4	9.5	681
AUG		25.4	32,7			. 4	32,8	• 6	• 9		8 • 2	9.4	686
SEP		10.0	14.0			• 2	14,5	<b>,</b> S	, 5		2.0	3.0	560
UÇŤ		3.7	10.8			• 3	11.2	• 9	, 9		• 7	2.2	631
NOV		1.7	13.2				13,6	2,3	3,3		• (	5.1	645
DEC		1.2	16,3		,6	• 2	10,3	5.8	5.4			9,5	651
TOTALS		6.3	14.6		• 1		15.0	1.7	1.9		2.1	5.2	7992

1210 WS FORM 0-10-5 (OL.1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JULY 64

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DATA PROCESSING DIVISION ETAC/USAF AIR WEATHER SERVICE (MAC) ASHEVILLE, NORTH CAROLINA

#### PART B

### PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION

DERIVED FROM DAILY OBSERVATIONS

SNOWFALL\*

DERIVED FROM DAILY OBSERVATIONS

SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS

- 1. The first table for each of the above presents the <u>percentage frequency of various daily amounts</u>, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
- 2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations From beginning of record thru 1945 Snow depth at 0800 LST

Jan 46-May 57 Snow depth at 1230 GCT

Jun 57-present Snow depth at 1200 GCT

U. S. Navy and Weather From beginning of record thru Jun 52 Snow depth at 0030 GCT Bureau Stations Jul 52-May 57 Snow depth at 1230 GCT Jun 57-present Snow depth at 1200 GCT

\* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

STATION: Det 15, 25WS Luke AFB, Arizona	Total Precip Amt (in)	Max 2h-hr Precip (in)	Days with Precip Trace	Days with Snow Trace	Total Snow Fall (in)	Snow	Max 24-hr Snowfall (in)	Max and Min temp FF	Max wind Speed and Direction
975 January	.10	.05	3	0	0	0	0	81/30	01.0/35
February	•22	.13	3	0	0	0	0	82/32	*280/ldi
March	<b>.</b> 56	.42	3	0	0	0	0	83/112	270/37
April	•35	,22	3	0	0	0	0	88/110	130/33
May	.00			0		0	0	102/1/8	200/39
June	•00	. •00	0	0	0	0	0	108/60	270/37
July	•34	•1/4:	<u>į</u>	0	0	0	0	110/68	040/38
August	•15	.13		0	0	0	0	יורו: 65/1	350/11
September	<b>.</b> 89	•49	2	0	0	0	0	104/62	020/43
October	•51	•36	3	0	0	0	0	96/43	100/31
Novembar	•34	.22	2	0	0	0	0	92/36	190/40
December	•72	<b>.32</b>	<u> </u>	0	0	0	0	80/31	17(1/25
		,			* New	maccinem	for month		
			<del>- </del>		Obser	ving hou	rs 24 hours	daily	
		<del> </del>	<del> </del>	<del></del> -					-
					`	,			
	KVIOUS EDITION								

	<del></del>		UKE	AF	<u>B</u>			RUNN	ax Q	3-21	<del></del>	
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		l	١., ا			Į.	į	ļ				i
LST	JAN	FEB	MHR		MAY	JUN	JUL	AUG	SEP	OCT	NOY	DE
06-08	. 3	. 7	, 8	. 9			<del> </del> -,	ļ,	1 2	, -	-,	
09-11	1.0	1.5	1:6	2.0	1.3	./	1-1	. 7	-:0	1.3	1.0	1.4
12-14	1.6	3.6	3.8	3.1	2.2	10	.7 2.0 3.3 14	10	1.65	2.6	2,2	1%
15-17	2.0	4.7	7.7	2.9	5,/ 33 2.4	3.6	2.0	1.0	2.9	1.4	2,2	12
18-20	.6	2.3	140	4.1	33	25	3.3	7.3	1.5	1.0	10	1
MERIN	1.1	2.5	2.6	3,3	2.4	1.6	14	1.7	1.8	1.0	/. 3	1. 1.
ANNUAL MEAN 1.9		ļ	<u> </u>		<u> </u>	<u> </u>	Ļ		-	~		
		ļ <u> </u>	.2		KNOT		]					1 .
06-08	<b>├</b> <u>'</u>	. 3	.7	· <u>2</u> ·4	.0	. 0	1	. 2	.0	.0	.0.27	1.0
09-1/	6		1.3	1.0	- چـــ	1	1.7	2		- "/	. 4	ž
15 - 17	.6	1/9-	3.7	1.6	19	.4	.2	.7	. 8	. 3	.9	1 . 4
18-20		12	15	1.4	10	4	1.0	1,4	.6	14	, 3	
MERN	. 4	10	14	3.7	C.7	. 2	0.3	0.5	0.5	0,3	,3	0.
ANNUAL MERN C. 6								<u>l</u>				1
<b>V</b>				25	KNOT S							
06-08	.0	.0_	U	.0	1.0.	.0_	0	1.0	.0	,0	.0	1.0
09-1/	10	.0	.0	.0	.0	. 0	. 0	.0	, 0	0	0 ـ ـ ـ ا	٠. ــــــــــــــــــــــــــــــــــــ
12-14	<u> </u>	1.0	<u> </u>	-0-	1.0	.0		.0	.0	.0		1 4
18-20	.0	10	.2	. 0	0.0	.0	.0	.0	0	.0.	.0.	1 . 6
MEDIN	.0	,0	. 0	.0	·0	.0	10	.0	.0	.0	.0	
ANNUAL NILAN . O	<u> </u>	1	+	<u> </u>	<del>                                     </del>	1 .9	1	1 .	- ,0	٠, ر		* · .
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NOTE . / = 10 of 1%	1		1		<del> </del>		1		1			
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10 OF 170 by	<b> </b>	ļ	<del></del>	ļ	<del> </del>	<del> </del>	<del></del>				·	4
greater than 0%	<del> </del>	<del> </del>	<del> </del>	<b> </b>	<del> </del> -		<del>- </del>	· -	+	ļ	-	}
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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVIÇE/MAC

### **DAILY AMOUNTS**

PERCENTAGE FREQUENCY OF (FROM DAILY OBSERVATIONS)

23111 STATION LUKE AFB ARIZONA/PHOENIX

41-46, 51-72

YEARS

AMOUNTS (INCHES) MONTHLY AMOUNTS PERCENT TOTAL (INCHES) OF DAYS NO. OF WITH TRACE 01-04 0514 1.5.2 4 2 5.3 4 3 5-4 4 6.5.10.4 10 5-15 4 15 5-25.4 25 5 50 4 ABLE GREATEST LEAST AMTS SNOW. DE\*TH 3 13.24 OVER 120 . 8 1.3 7775 4.8 3.6 2,3 1.5 .72 2.85 15.3 1.3 19:19 .00 JAN 1045 ,61 84.5 5.0 2.1 2.2 3,1 1.2 17 679 2.09TRACE FEB 3.2 1.9 7775 ,63 85 - 5 1.8 1.5 2,5 1.0 19.3 2.39 .00 MAR 5,8 . 8 780 ,25 . Ŏ0 89.4 1.8 .6 , 3 429 1.77 APR 9443 3.7 . 1 • 1 200 806 .08 .57 .00 .6 4.4 • 93.8 . 5 . 2 810 .07 .78 .00 JUN .73 1.7 3.6 73.5 14.6 3.4 1,9 1,3 11/9 817 2.56TRACE IUL 15.5 .04 58.0 3,9 3.0 .. 16.3 7744 1:24 8.40 AUG 6.5 , 9 86.2 1.2 2.2 . 5 7.3 740 .84 4.01 .00 ٠ . 9 SEP 5.2 . 5 1.0 . 75 2.10 88.1 1.2 -106 2.0 ,4 .647 .46 .00 oct 2,4 7/49 5.5 .7 1.3 111 750 2.0 .47 1,86 .00 16:7 NOV 6.0 1.9 13/3 2.0 2,1 1,0 406 .87 4.47 .00 10,8 DEC 14:9 6,9 .0 9348 6.97 1,6 ANNUAL

1210 WS JUL 64 0-15-5 (OLI)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING BRANCH UBAFFETAC AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

23111 LUKE AFB ARIZONA/PHUENIX
STATION NAME

24 HOUR AMOUNTS IN INCHES

MONTH	JAN.	FEB.	MAR.	APR.	MAY	אטנ.	טענ.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
41 42	.40		. 25	: 80	00	.00	.36	. 19	.02	íïó	TRACE	,44 ,24	
43		.03	66. 06.	.02	TRACE	TRACE	.20	1,05	,65	.22		38	1,90
45	,01 ,01	.84	035	TRACE	.00	100	,42	,04	TRACE	, 84		16	.84
46	32			-04	00	00	62	04	1.88	• 10	i		
51 52	.48	.15	. 44	.69	24	.00	. 95 . 28	2,87	12	1,44	/74 /72	,35 .28	.72
53	,14	,30	,26	TRACE	0.0	TRACE	.56	,25	.00	TRACE	.12	.10	. 54
54. 55	2,17	TRACE	79	CO	THACE	130	.48	1 7 7 8	1,55	90.	, 00 16	TRACE	2,17 1,0
56	.85	34	.00		TRACE	01	.09	1,05	oi	,09 1,01	od	02	1.01
57	,62	.19	,34	, 38	.07	112	.33	,08	1.81	1,06	,44	.07	1.06 1.81
<u>58</u>	02	1,49	4 C U	40	TRACE	TRACE	93	, 64	12	. 58	,30		92
\$0	.36	07	19	TRACE	.03	TRACE	201	35	CZ	238	07	.05	.65
61	110	TRACE	, 16	TRACE	TRACE	TRACE	,70	. 56	TRACE	105	22	1,25	1,2
62	, 56	1,02	30	TRACE	TRACE	,00	TRACE	,57	30	TRACE		TRACE	1,02
64	.19	22		.08	TRACE	TRACE		.70		38	.00		. 90
-65	, 5 ]	. 4	983		,35	TRACE	,27	.42	1.83	TRACE	,32	1,55	1,59
66	,30	TRACE	,20 ,22	TRACE		TRACE	56		193	<u>ڙن.</u> 22 ن	127	1,00	
68	•07	63	41	TRACE		#O4	,54	. 09	.00	. 129		. 26	
69	.91	.19	,33	.39	,21	,00	66	.49	,26	TRACE	,47	į37	3,4
70	- 04	19	71	TRACE	00	•00 •00	33	. , 35	3,47	.02	TRACE		179
71	,16 ,00	TRACE	TRACE	TRACE	06	09	770	. 434	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		inna	• • • •	• 3
MEAN	.42	.38	,31	.19	07	07	.44		,60	.32	29	. (41	1,2
5. D.	,455	.408	.244	.261	134		401	6397	, 150	.401	246	+462	3710
TOTAL OBS.	775	679	773	780	806	510	837	1744	780	806	750	, <b>8</b> 06	934

1210 WS JUL 64 0-88-5 (Det 50)

12

DATA PROCESSING BRANCH USAF WEATHER SERVICE/MAC

**EXTREME VALUES** 

PRECIPÍTATION (FROM DAILY OBSERVATIONS)

29111 LUKE AFB ARIZONA/PHOENIX
STATION NAME

41-46, 51<del>6</del>72

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24 HOUR AMOUNTS IN INCHES /BASED ON LESS THAN FULL MONTHS/

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
42		27											PRECIP
45	2990												PRECIP
46		,02 14									,34 15		inneath
51		-		1418					<del></del>				PRECIP
ėó				- 4-7		<del></del>		30				<del></del>	PRECIP
67								3¢					PRECIP
68					01								PRECIPOAYS PRECIPOAYS PRECIPOAYS PRECIPOAYS PRECIPOAYS
					7.2								
										 		··············	
									<del>,</del>				
									<del></del>				
			<del>, </del>							<del> </del>			
									<del></del>				
						<del>-</del>			<del></del>				<b> </b>
MEAN .													
TOTAL OBS.				<del> </del>						<del> </del>	<del>  </del>		<del> </del>

1210 WS JUL 64 C-28-5 (Det 50)

DATA, PROCESSING BRANCH UBAFFLETAC: AIR WEATHER SERVICE/HAC

#### **DAILY AMOUNTS**

PERCENTAGE FREQUENCY OF (FROM DAILY OBSERVATIONS)

23111 STATION

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LUKE AFB ARIZONA/PHOENIX STATION NAME

51472 460

YEARS

AMOUNTS (INCHES) MONTHLY AMOUNTS (INCHES) PERCENT TOTAL 2 51-5 00 5 01-10 00 10 01-20 00 OVER 20 00 OVER WITH
10 5-15 4 15 5-25 4 25 5 50 4 OVER 50 4
37-48 49-60 61-120 OVER 120 AMTS 11. 25 NO. OF PRECIP NONE TRACE 02- 05 06-10 1 01-2 50 SNOWFALL NONE TRACE 0104 0 5-1 4 1524 2534 3 5 4 4 4564 6.5 10 4 OBS. GREATEST SHOW. DEPTH OVER 120 TRACE 1 4.6 7-12 13-24 25 36 37-48 49.60 61-120 NONE 3 . , 1 9949 -682TRACETRACE 99.8 SPATRACETRACE 100.0 :651 •.0 MAR -660 0 .0 100,0 APR .0 • 0 100.0 -682 MAY 04 100.0 440 713 ور: ، 10000 10000 420 AUG 100.0 -660 30 SEP 10 10000 -662 .0 10000 .630 YGN 99.4 651TRACETRACE DEC 9949 7715

1210 WS JUL 64 0-15-5 (OL1)

ANNUAL

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAFILETAC AIR WEATHER SERVICE/MAC

### **EXTREME VALUES**

SNOWRALL

23111 CUKE AFB ARIZONA/PHOENIX
STATION NAME

24 HOUR AMOUNTS IN INCHES

MONTH	JAN.	FES.	MAR.	APR.	MAY	אטנ.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
46 51	.0			.0	0	0 0	, O	0.0	,0	0	٥	.0	
\$2 \$3	,0	•0	.0	.0	.0	0	.0	0	0	0	•0	0.0	• 0
54 55	,0	,0	.0	0,0	0	0	•0	, O	0	0 0	0	0	.0
36 37	0	0		0	.0	0	• 0 • 0	٥ 0	,0	0.0	,0		00
\$8 <b>5</b> 9	,0	0.0	.0	0	,0	0	.0	.0	0		.0		.0
61	.0	• 0	0.0	0.0	. 0	0	• O	0	0	0	.0	0	00 00 00 00 00 00 00 TRACE
62	TRACE	,0	.0	. 0	0	· • · U	*O	• O	• 0	0	.0	0.6	
64	0 0	TRACE	0	0	0	0	.0	0	0	0	0 و		TRACE
66	.0	•0	0	0	0	0	0		00	0 0	,0	TRACE	
48 69	,0	•0	.0	.00		0 0	•0	,0	0	0	•0	0	.0
70	• 0 • 0	0	,0	.0	90	0.0	. O	,0	0.0	0	.0	00	.0
72	,0	• 0	•0	•0	. •0	•0	•0						
MEAN	TRACE	TRACE	00	. 200	00	,00	,00	00	.00	00	.00	TRACE	.00
S. D. TOTAL OBS.	,000 682	.000 594	,000 651	•000 ••0	682	-000 690	713	620		•000 682	,000 6 <b>3</b> 0	,000 .651	7915

1210 WS FORM 0-88-5 (Det 50)

DATA PROCESSING BRANCH USAFLETAC ALR WEATHER SERVICE/MAC

### **EXTREME VALUES**

SNOWEALL (FROM DAILY OBSERVATIONS)

23111 LUKE, AFB ARIZONA/PHOENIX
STATION NAME

24 HOUR AMOUNTS IN INCHES /BASED ON LESS THAN FULL MONTHS/

MONTH	JAN.	FEB.	MAR.	APR.	MAY	אטן.	JUL.	AUG	SEP.	ост.	NOV.	DEC.	ALL MONTHS
41			-									0	SNOFALL
42	0	0_	0	0	0	0	0	.0	0_	.0	0	3 <b>0</b>	SNOFALL
48	Q	0	0	0	0	0	0	Ô	0	0	0	0	SNOBALL
44,	0	o_	0	ŭ	0	, O	0	ò	i Q	0	0	įΟ	SNOFALL
45	0	0	0	0	0	0	0	,o	, Q	0	0	.0	SNORALL
46		14									1.5		SNOFALL
51				14									SNOFALL
65								30					SNOFALL
67								30					SNOFALL
68					11								SNOFALL DAYS
													<u> </u>
													<b></b>
													<b>_</b>
										ļ			
MEAN S. D.		<del> </del> -					<b> </b>	ļ		<del> </del>	<del>  </del>		
TOTAL OBS.							<del> </del>						<del> </del>

1210 WS FORM 0-88-5 (Det 50)

DATA PROCESSING BRANCH USAF: MTAC: AIR WHATHER: SERVICE/MAC

### DAILY AMOUNTS

PERCENTAGE FREQUENCY OF (FROM DAILY OBSERVATIONS)

23111 STATION

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1

LUKE AFB ARIZONA/PHOSNIX

41-46; 51-72

YEARS

AMOUNTS (INCHES) MONTHLY AMOUNTS (INCHES) PERCENT TOTAL 2.51-5 00 5 01-10 00 10 01-20 00 OVER 20 00 OF DAYS PRECIP NONE TRACE .02- 05 11 25 26-.50 .51-1 00 1 01-2.50 NO. OF MEASUR. NOWFALL NONE TRACE 01.04 0 5-1 4 1524 2534 3 5 4 4 4.5 6 4 6.5 10 4 10 5-15.4 15 5-25.4 25 5-50 4 OVER 50.4 OBS. ABLE AMTS GREATEST ,EAST SNOW. DEPTH TRACE 3 4.6 7.12 49-60 61-120 OVER 120 NONE 13.24 25.36 37-48 10040 806 100.0 707 FEB 100.0 775 MAR 10000 780 APR 10000 406 MAY 100.0 510 IUN 100,0 137 100.0 1764 AUG 100:0 780 SEP 10040 .#06 ост 10000 750 NOV 19000 406 ANNUAL LOOVO 9007

1210 WS JUL 64 0 15-5 (OLI)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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EXTREME VALUES

DATA PROCESSING BRANCH USAFFETAC AIR WEATHER SERVICE/MAC

SNOW DEPTH

33111

LUKE AFS ARIZONA/PHOENIX

41-46, 51-72

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DAILY SNOW DEPTH IN INCHES

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JLN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
41												0	
		<u> </u>		0	0	<del></del> 8	<u>0</u>	· O	0		<u>0</u>	0	<u>Ş</u>
44	o	0	0	o	0	0	ð	0	ŏ	0	.d	0	9 0
45	0	0	Ŏ	ō	0	Ö	Ö	0	Ö	Ö	O	0	Ć
46	0	1		Ŏ	.0	O	O	۰,0	0	0	1		
51		7			9	C	0	Ō	G	0	Q	0	
32	0	<u> </u>	0	0	0	<u> </u>	<u> </u>	0	0	0	0	0	<u>c</u>
53	0	0	이	0	0	0	Ŏ	0	Q	0	Q	Ö	Ç
55	0	0	0	0	0	9	<u>0</u>	O.	0	<u>0</u>	<u> </u>	<u>0</u>	
55	o	0	0	o	.0	8	ă	0	ŏ	o	.0	·0	č
57	0	0	ă	Ö	Ģ	· 0	Ø	Ō	Ö	ŏ	ð	· Q	<del>Č</del>
57 58	0	C	0	Ó	.0	Ö	0	.0	S	٥	Ō	,Ò	0
59	0	0	0	·C	(O	O	C,	0	Q	O.	0	0	C
60	0	0	0	0	.0	<u>.</u> ∙0		0	0	Q	.0	,0	<u>,c</u>
61	0	0	0	9	,0	C	O	10	<u> </u>	0	Q	0	Ç
62	0	0	0	0	<u>`</u>	0	<u> </u>	,0	, O	<u>0</u>	<u> </u>	0	<u>c</u>
.63	0	oj Ol	0	0	0	Ò	0	Ò	ď	0	0	, O	,
168	0	<del>-                                      </del>	0	Ö	ŏ	ő		0	Ö	<u>, 0</u>		· · · · · · · · · · · · · · · · · · ·	č
, 66:	o	ő	ő	ŏ	O	ŏ	Ğ	7	Ö	õ	·o	ő	_
-67	Ø	C	Ô	ğ	0	0	O		O	O	·O	0	
168.	0	G G	0	0		0	0	:0	·0	0	·C	Q	
3 <b>∳</b> ♥°	0	Ō	0	0	.0	.0	ğ	G	Q	0	.0	0	0
/70:	0	0)	0	0	,0	0	<u>Q</u>	٥٠	0	0	<u> </u>	0	0
71	0	0	O	0	0	0	Ó	.0	C C	0	0	0	Q.
/72;	V	0	- 0	0	0		0						
MEAN	-0	0	.0	.0	0	O	.0	. 0	. 0	.0	, ô	70	.0
S. D.	.000	.000	.000	0000	.000	,000	.000	.000	.000	*000	000	600	9407
TOTAL OBS.	,800	707	775	780	806	810	837	1744	780	806	750	806	9407

1210 WS JORN 0-88-5 (Det 50)

DATA PROCESSING BRANCH UBAF: BTAC ATR WEATHER SERVICE/MAC

# **EXTREME VALUES**

SNOW DEPTH

23111 LUKE AFB ARIZONA/PHOEN IX
STATION NAME

GAILY SNOW DEPTH IN INCHES /BASED ON LESS THAN FULL MONTHS/

MONTH	JAN.	FEn.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
46		14									15		SNO DPTH
51				14									SNO DPTH
66								30					SNO DPTH
67								30					SNO OPTH
68					11								SNO DPTH
										 			<del> </del>
													<u> </u>
	<del></del>												<del> </del>
	· <del></del>			<u> </u>							<del> </del>		-
		<b> </b>		<u> </u>									<del> </del> -
				<del> </del>									<del> </del>
MEAN	****	<del> </del>		<del></del>							<del> </del>		<del> </del>
S. O.				1									
TOTAL OBS.													

1210 W5 FORM 0.88-5 (Det 50)

DATA PROCESSING DIVISION ETAC/USAF AIR WEATHER SERVICE (MAC) ASHEVILLE, NORTH CAROLINA

#### PART C

## SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1968, and in tens of degrees starting in Thomas When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:
  - (1) Annual all hours combined
  - (2) By month all hours combined
  - (3) By month by standard 3-hour groups
- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

**EXTREME VALUES** 

SURFACE WINDS

23111 LUKE AFB ARIZONA/PHOENIX
STATION NAME

DAILY PEAK GUSTS IN KNOTS

MONTH	JAN	ı.	FE	<b>.</b>	MA	AR.	AP	R.	MA	۱۷	JU	IN.	10	IL.	AU	IG.	SE	<b>.</b>	oc	т.	NO	v.	DE	c.	ALL MONTH	5
46 59	NNE		SW	40	48	32	SE	28	SH	35	S	.39	NNE	69	Shi	35	s	48	NNE	30	NE	30	SSW	34		
60	NW		WSW	32		30		.36		30		.36			36	90		30		38			SW	29		_
61	NNE	25		Ĭ			Ś₩	39							SE		NNE	30		27	ESE	36				
62	NNX	28	SW	39	SSW	35			SW	27	ENE		SSE	40					5W	24	%		54	28		
63	NNE		WNW	3 C		38			SSH	20			SW	29			SE	45			MNW		NNE	25		
64	N	32		32			SSH		WYW		55 W		MNN	42			SE	29	ŧ	25	54		NNE	26	NNW	6
65	WSW		WNW		WSW	31	¥	34			45 W				SSE	32	SE	.34	ENE	25		25		23	MNM	
56	И	(	NNE	29		37	SW	38	SW		35 W	32		33			WSW	28	W		53W	30		31	Ņ	į
67	N	32		39		27			ese				NNE	40			SE		35 kg	40		34		183	<u> </u>	-
58	N		NNE		NN	31		29			WS V		36/	22	32/	31		133	W 1	33	7.7		28/	41		
69	30/		21/		31/				34/			:3)		41		4.4	33/		22/		<b>3∮</b> /,		30/	27	31/	_
70	37		30/		20/	33	25/	*#7			26/		17/		:4/	. 77			30/				13/	18		
71	28/	22		38	22/	22	<u> </u>		2/	123	24/	- 4 7	24/	48		. 37	13/	133	767	30	3/	-63	22/	-60		_
																										_
MEAN	2	8.6	3:	3,4	3	3.9	3	3.3	\2	2,2		4.0		1.6	4	5.2	2 3	577	3	0.3	7	9.3	2	8,4	4	
S D		234		026		632		632		Q 63	4,	15	10.	278	9.	390	7.	59 i		773	4.	73:		885	ġ,	
TAL OBS.		429		366		364		388		400		334		400		331		329		367		337		362		4

1210 WS FORA 0-88-5 (Det 50)

DATA PROCESSING BRANCH UBAF HTAC AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

1

23111 <u>LUKE AFB ARIZONA/PHOENIX</u>
STATION ITAME

DAILY PEAK GUSTS IN KNOTS /BASED ON LESS THAN 90% OBSERVATIONS FOR MORTH/

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
45	0	0	0	O	2	٥	0	0	۰,0	0	o	0	WINDS DAYS
46		NW 23 12				Q	0	Ò	0	0	O		WINDS DAYS
58	0	0	0	ij	0	0	0	,0	,o	0	0	0_	WINDS DAYS
59	HNW 31												WINDS DAYS
60										[	WSW 34		WINDS
61		0	W 31		H .46	N .46	E 40					55H 19	WINDS DAYS
62				SW 34				5H 39 25	NNE -5(				WINDS DAYS
63								ESE -49 25		WNW 32			WINDS DAYS
68					WSW 30								WINDS
.70									13/ 34				WINDS DAYS
71			32/ 32 23	27/ 32 18									WINDS DAYS
										-	<del> </del> -	<u> </u>	
			<u> </u>					-	<del> </del>				
		<u> </u>							<del> </del>	ļ	<b> </b>	<del> </del>	
MEAN S. D.													
TOTAL OBS.			<u> </u>								<u></u>		

1210 WS FORM 0-88-5 (Det 50)

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DATA PROCESSING RRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23111 STATION	LUKE	AFB A	RIZONA	PHOEN	IX	<del></del>	41.	46,51	<u>-72</u>	EARS				outh.
		-		<del></del>		ALL WI	ATHER				<del></del>			(L.S.T.)
		_				ÇON	DITION							
	SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 2;	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N	4.3	7.0	2.1	.3	.1	0	.0	•0				13.7	4.9
	NNE	1.5	1.8	. 7	.3	. 1	.0	.0					4.4	5.6
ĺ	NE	2.0	1.7	. 6	. 2	0	.0	.0	.0				4.5	4.7
[	ENE	. 8	9	. 3	1	. 0	. 01	.0	.0				2.2	4.8
[	Ę	1.7	1.6	7	2	- 0	. 0	O.				<u> </u>	4.2	4.8
	ESE	.7	. 8	. 4		0	.0	.0					2.1	4.8 5.3
ļ	SE	1.3	1.3	6	1	.0	الكو	0					3.3	4.9
	SSE	7	9		1	0	0		0				2.1	4.9
ļ	5	1.9	2.7	1.6	4	0	0	0			<u> </u>		6.6	5.6
ļ	SSW	1.0	2.2	2.6	1.3	<u>_</u>	0	.0	0			<b> </b>	7.3	7.5
	sw	1.8	3.1	3.8	1.9	3	- 0	0	ابـــــــا		<del> </del>		10.9	7.7
	WSW	7		1.9			٥٠	0	0		<del> </del>	ļ	4.2	7.8
-	MMM ∴.	9	1.3	7	3		<u>.c</u>				<del> </del>	<del></del>	3.3	6.1
	NW		1.4	. 3		.0	.0	0	.0		<del> </del>	<del> </del>	1.6	6.3
	NNW	1.4	2.5	6	.1	.0	.0	0			<del> </del>		3.5	5.3
	VARBL		6.2	<u>a.7</u>				0				<del></del>	4.7	5,1
	CALM	><		>	>	> <	>	><	>	> <			21.1	
		55,0	31.0	17.4	6.6	1.0	2	٥	0				100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 227457

USAFETAC  $\frac{\text{FORM}}{\text{JUL 64}}$  0-8-5 (OL-A) previous editions of this form are obsolete

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# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23111 STATION	LUKI	E AFA A	A I Z DAA	PHOEN	IX		42	-46,52	<del>-72</del>	EARS				AN
			<del></del>			ALL W	EATHER						HOURS	(1.5.7.)
		-				CON	POITION							
	SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	×	MEAN WIND SPEED
	N	6.3	11.9	3,1	.4	. 1	•0				<b> </b>		22.0	4,9
	NNE	2,2	2.7	1.0	.8	, 2	• 1			j			7.0	6.2
	NE	2,3	1.9	. 8	. 2	. 0			T				5.2	4.8
	ENE	. 9	. 8	. 2.1	.1	. 0							2.1	4.5
	E	1.8	1.3	ف		.0					T		3.7	4.5
	ESE	9	.7	2	.0								1.8	4.1
	SE	1.5	, 9	.1	.0	, C							2.5	3.7
	SSE	1.0	.7	1	.0								2.7	3.6
	\$	1.8	1.8	. 4	. 1	0							4.2	4.3
	ssw	9	1.2	. 5	. 2	.0							2.9	5.5
	sw_	1.2	1.3	. 6	, 4	1	.0						3.6	5.8
	WsW	1 4	. 4	2	. 21	0	Q						1.3	6.2
	w	6	. 6	. 3	.2	<u>l</u>				<u> </u>			1.8	6,2
	WNW	.6	5	2	.2					<u> </u>	<u> </u>		1.5	5.7
	NW	1.8	1.7	6	18.	0			<u> </u>				4.3	4.9
	NNW	2.4	4.1	1.2		. 0					<u> </u>		7.9	4.8
	VARBL	ļ,			ļ			Ĺ,	<u> </u>				ll	
	CALM	$\geq \leq$	$\geq \leq$		$\geq \leq$	26.6								
		26.7	32.4	10.2	3.4	. 6	.2	L					100.0	3.7

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LUKE	AFB AR	ATATION	PHOEN	X X		42	46, 52.		EARS			- <u>- f</u>	EB
		•			X1 ()	. A TUEN		,					-
					ALL II	ATHER				<del></del>		HOURS	A L !
	_				CON	DITION							
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	5.4	11.0	3.3	. 5	.1	. 3	.0					20.4	5
NNE	2.7	2.4	.9	•4	. 1	70	.0					5.3	5
NE	2,0	1.9	.6	.2	. 0							4.9	.4
ENE	8	1.0	. 3	.1	.0							2.2	5
E	1.5	1.5	.6	.1	.0							3.7	4
ESE	3	_ 9	. 2	.0								2.0	4
SE	1,3	1.1	. 2	, Q								2.6	4
SSE	. 8	. 7	. 2	ن								1.8	4
\$	2.1	2,7	1.1	.3	. 0							6.2	
SSW	1.0	1.9	1.2	.6	- 2	.0						4.8	6
sw	1,2	2.1	1.7	9	, 1	- 1		·	L			6.0	7
WSW	. 5	8	. 8	. 3		-0			<u></u>			2.7	7
w	اة و	. 8	6						<u> </u>			2.9	
WNW	. 5	6	- 3			0	.0					1.9	7
NW	1,3	1.7	a	3	1	. 0			<u> </u>			4.3	
NNW	2.0	3,9	1.5	. 2	.0	0						7.6	5
VARBL									Ļ				
CALM		><	><	><	><	><	><	><	><	><	$\sim$	20.5	!
	23.6	35.0	14.4	5.1						T			

TOTAL NUMBER OF OBSERVATIONS 17095

USAFETAC FORM  $_{\rm JUL~64}$  0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	JKE AFE	3 A	RIZONA	PHOEN	ΪX		421	-45,52		EARS			<u>N</u>	AR
		_	<del></del>	<del></del> -		ALL WI	EATHER		<del></del>		<del></del> -		- HOURS	(LS T.)
		_				CON	DITION							
SPEED (KNTS DIR.	)   1-	3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		.0	8.5	2.7	.5	. 1	.0						15.9	5,2
NNE		. 5			. 5	.1	٥٥.				1		5.1	5.8
NE		9	1.8	. 6		•0		•0					4.4	4.7
ENE		, 9	1.0	. 3	. 1								2,3	4.6
Ε		6		.5	.1	.0							3.3	4.5
ESE		.6	1.2	. 3	. 0								2.1	4.7
SE		1.2	1.5	. 3	.0								3.0	4.3
SSE		.7	1.1	2	Q	.0							2.1	4.6
S		9		2.1	.5	.0							8.0	5.9
ssw		, O		2.4	1.3	2							7.5	7.7
SW		2		3.0			0.	0			<u> </u>		9.4	8.1
WSW	<u>′_</u>	.6	<del>,</del>	1.1	7	3	0						2.8	8.4
<u> w</u>		.6		8	6		0				ļ		3.3	7.6
WWW		.5		4	5	2		-0	0		<u></u>		2.3	6.7
NW		1.3		. 9	5		0	0					4.7	6,3
NNW		4	3.2	1.3	2	0							6.2	5.5
VARB	L		<u> </u>				ļ		<del>~</del> >	·		<u></u>		
CALA		$\leq$	$\geq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	16.2	
	- 11		أنصما		ا ۔۔ ۔	l	۱ .	1 .:	_	ŀ	1	i !		

TOTAL NUMBER OF OBSERVATIONS 18500

USAFETAC FORM 0-9-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LUKI	AFB A	RIZONA		IX		42	46,51		EARS				PA
	_				ALL WI	ATHER						HOURS	<u>4 L</u>
	-				СОМ	MOITION							
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 · 33	34 - 40	41 - 47	48 - 55	≥56	%	
N	3,3	5.8	1.5	. 2	.0							10.9	
NNE	1.2	1.7	5	.3	. 1	•0						3.8	
NE	1.5	1.5	- 5	1	.0	.0						3.7	
ENE	. 7	. 8	3									1.8	
E	1.6	1.5	. 5		.0							3.9	
ESE	.6	. 8	. 4	1	.0							1.9	L
SE	1.2		6		.0	Ω						3,3	_
SSE	6		4	1	0			ļ		<u> </u>		2.2	_
<u>s</u>	1.6		2.2			0				ļ		8,1	L
SSW	1.0		3.8	2.2	. 4			0		ļ		10.3	-
SW	1.5	3.9	5.0		.7	2	.0			<del> </del>		14.4	_
WSW	- 5	1.6	1.7	1.4	- 4		0			<del> </del>		5.8	_
WWW -	<u>8</u>		. 9	6	1	-0		ļ	ļ	<del> </del>	ļ	3.8	
NW	1.0		.8	. 3	0	.0				<del> </del>		2.3	-
NNW	1,1	2,2	. 3	. 1	.0			<del> </del> -	<del></del>	<del> </del>		4.2	-
VARBL	<del> </del>	505			• 0			<del> </del>	<b> </b>	<del> </del>		745	r
CALM		$\supset$	$\times$		> <	> <	>>	> <	> <	$\supset <$	>	16,3	_
	19.1	31.6	20.4	10.1	2.0	. 5	.0	.0	······································	·	`	100.C	

TOTAL NUMBER OF OBSERVATIONS 18920

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

19968

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LUKE	AFB AF	RIZOMA/	PHOEN	<u> </u>		42	46,51	•72	EARS				AY
	_				ALL W	EATHER						HOURS	<u>ا ال</u> د (ن.
					COM	DITION							
SPEED (KNTS) DIP.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	M W SI
N	2.5	3.7	1.2	.1	.0	.0						7,6	
NNE	1,2	1,2	. 3	. 2	.0	• 0				i	i	2.9	
NE	1.7	1.4	. 4		.0					1	<del></del>	3.6	
ENE	. 8	. 9	. 3	.1	.0					1		2.1	
E	1.5	2.4	. 5	. 1	.0						i	3.5	
ESE	. 6	. 7	. 4	. 1	.0		.0					1.9	
SE	1,2	1.4	.6	. 1	.0							3.3	
SSE	. 7	9	.4	. 1	.0	• 0					Ī —	2.0	
5	2.0	3.2	2.3	.6	1							8.2	
ssw	1.3	3.1	4.8	2.3	. 3	• 0	.0				i	11/7	
sw	2,1	5.0	7.5	4.2	. 8	• 1						19.6	
wsw	8	2.0	2.5	2.0	, 3	• 0	.0	.0				7.9	
	1.0	2.0	1.2	4		-0						4.7	
WNW	4		. 4	. 2	0						<u> </u>	1.6	
NW	1,0	5	. 5		.0	.0					<u> </u>	2.7	
NNW	. 8	1.2	. 5	1	.0							2.5	
VARBL	<u> </u>			<u></u>					ļ	ļ	ļ,	<b>   </b>	
CALM	><	$\geq \leq$	14.1										
	19.5	29.5	24.2	10.7	1.7	.2	.0	.0				100.0	

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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4 /5

DATA PROCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23111 STATION	LUKE	AFB A	RIZGNA	PHOEN			UN							
						ALL WE	EATHER			ZARS			.Δ	IL L
							A\$8						HOURS	(L.S.T.)
			<del></del>				DI.ION							
						CON	DI, IOR							
						~	<del></del>							
	SPEED (KNTS) DIR.	1 - 3	4 - 5	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
İ	N	2,4	2.6	. 6	1	.0	• 0						5.7	4.4
Ì	NNE	9	1.0	. 3	i	.0							2.3	4.9
[	NE	1.6	1.1	, 2	.0	,0							3,0	3.7
[	ENE	.6	,6	. 2	.0	, 0							1.5	4.5
	E	1,5	1.2	. 3	. 1	.0							3.1	4.3
	ESE	.6	.7	. 3	-1	.0							1.7	5,1
ļ	SE	1,3	1.4	5		.0	•0						3.3	4.7
ļ	SSE	. 7	1.1	5		,0					<u> </u>		2.4	5.2
]		1,9	3.2	2.4	.6	0	.0	.0					8.2	6.1
	ssw	1,2	3.4	5,1	2,5	. 2					<u> </u>		12.4	8.0
	sw	2,5	5.4	8.2	4.1	5					<u> </u>		20.8	8.1
	wsw	9	2.5	3.2	1.7	. 2	•0	- 0					8.4	8.1
	w	1.1	2.1	1.5	5	0	•0				<u> </u>		5.2	6.1
	WNW	5		3	1	0					ļ		1.4	3.2
	NW	1.0	1.1	4		.0					L		2.6	<u> </u>
}	NNW	. 9	1.0	- 3	1	.0		.0		ļ			2.3	4.7
	VARBL	<del></del>									<del></del>	<u></u>	<del></del>	
	CALM	$\geq \leq$	$\times$	$\geq \leq$	15.7									
		19.8	28.9	24.1	10.3	1.0	1	.0					100.0	5,5

TOTAL NUMBER OF OBSERVATIONS 19065

USAFETAC  $^{\rm FORM}_{\rm All~64}$  0-8-5 (OL-A) previous editions of this form are obsolete

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# SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23111 STATION	LUKE	AFB AF	ZIZGNA/	PHOEN	IX		42	46,51	-72	<u> </u>				UL.
•		_				ALL W	EATHER	<del></del>	<u> </u>		<del>_</del>		A	(L \$.T.)
		_				KOS	DITION							
	SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%,	MEAN WIND SPEED
ì	И	1.7	2,3	. 9	. 2	.1	•0	.0	•0				5,2	5.4
	NNE	. 8	1.0	. 4	.2		.0	.0					2.5	6.1
- 1	NE	1,8	1.4	. 5	.2	.0	.0						4.0	4.7
	ENE	.7	, 9	. 3	. 1	.0	0.						1.9	5.3
	Ε	1.3	1.6	.7	. 2	.0	0	0					3.9	3.4
	ESE	6	8	. 6	. 2	0	0	. 0					2:2	5.2
{	SE	1.3	1.5	1.0	.3	. 0		٥					9.1	5.7
	SSE	. 6	1.1	. 7	.2	. 0	0		.0				2.7	5.8
	5	1.8	3.6	2.9	. 7	.0		. 0					9.1	6.3
	ssw	1.1	3.0	4.9	3.1	2	0	0					12.4	8.5
ļ	sw	2.6	4.8	7.2	3.5	3	1	0					13.4	7.9
	WSW	9	2.3	2.5	1.0		i						5.7	7.5
	w	1.2	2.1	1,2	.3	0	2						4.7	5.7
	WHW	. 5	7	. 3		.0							1.5	4.9
	NW	- 9		. 5		.0	3						2.7	_5.2
	MMM	6	1.0	4		0							2.1	5.3
	VARBL		<del></del>		<u> </u>								<b> </b>	
	CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	> <	$>\!\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	1.5.7	
		18.4	29.0	25.0	10.5	1.2	. 2		.0			<u></u>	100.0	

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

19802

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23111 STATION	LUKE	AFB AF	RIZONA	PHOEN	ıx	ALL mi	42+	46,51.	·71	KARS				AUG ONTH LL (L.S.T.)
						COM	DITION							
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 · 55	≥56	%	MEAN WIND SPEED
	N	2.4	3.6	1.2	.2	.1	• G	.0					7.5	5,1
	NNE	1.0	1.2	.5	.2	1	.0	.0					3.0	5.6
	NE	2.1	1.8	. 6	.2	.0	.0	0	.0			- <del></del>	4.8	4.8
	ENE	7.7	1.0	. 4	.1	.0	.0	.0	• 0				2.2	5.3
	E	1.8	2.0	. 8	. 2	.0	.0	. 0					4.8	5.2
	ESE	. 8	1.0	. 3	, 3	•0	.0						2.9	6.2
	SE	1.6	1.9	1.1	. 3	.1	•0	• 0					5.0	5.8
	SSE	.7	1.4	. 8	. 2	0	• 0						3.1	5.9
	\$	2.5	3.5	2.3	.6	1	• 0						8.9	5.8
	SSW	1.0	2.7	3.4	1.5	1	.0	0					9.6	7.7
	sw	2.4	4.6	5.1	2.0	2	.0						14.4	7.2
	WSW	9	1.4	1.5	6	1	.0	.0					4.5	_7.0
	w	1.2	1.6	8	2	٥							3.8	5.3
	WNW	5	6	3	1	0	0						1.5	5.6
	NW	111	1.2	4	. 2	1							3.0	5,3
	NNV/	. 8	1.4	5	ż	0	ا ع						2.9	5.7
	VARBL						Ļ							
	CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	> <	$\geq \leq$	><	> <	><	$\geq \leq$	><	><	18,9	

TOTAL NUMBER OF OBSERVATIONS 19312

100.0

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

.11	LUKE	AFB AR	LANDZI MOITATE	PHOEN!	[X		42+	46,51	-71	YEARS			. <u>\$</u>	EP ONTH
				<del></del> -		ALL WI	ATHER	<del></del>			<del></del>		HOURS	(L # T.)
						CONI	DITION							
(Ki	PEED NTS) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 23	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N	4,2	6.0	2.0	.3	.0	•0	i					12.6	4.8
N	INE	1.5	1.7	.6	. 3	.0	.0	.0			i		4.1	5.2
	NE	2.7	1.8	5	.,2	0							5.2	4.4
E	NE	1,1	1.2	.51	. 11								2.8	4.8
	٤	2.3	2.31	1.1	. 3	.0							6.0	5.1
E	ESE	. 7	1.1	.9	. 3	.0	0						3.1	6.3
	SE	1.6	1.6	9	. 3		.0	وم					4.4	5.6
	SSE	. 6	1.0	5	. 1	0	.0						2.3	5.5
<u></u>	S	4.9	2.2	1.3	2	0	.01				<u> </u>		5.0	5,2
s	sw	9	1.2		7	0	0						5.4	6.9
_	sw	2.0	3.1	3.0		2	0			ļ			9.3	6.9
	vsw	8	9		5	.0	[			ļ	<u> </u>		3,3	6.3
	w	<u> </u>	1.5	7	1	0				ļ	ļ		3.4	5,3 4,7
<u> </u>	WW	5		2	0	0							1,3	4.7
	NW	1.3	1.3	6			0	اعــــــــــــــــــــــــــــــــــــ		ļ	ļ		3,1	4.7
-	NW	1.2	2.2	.7	0		-0			ļ	<u> </u>		4.1	5.0
	ARBL ALM	>		> 1	> <	> <	>	>	><	$\supset$		>	23.8	
		24.1	30.4	16.4	4.6	6		٥					100.0	4.2
			•							TOTAL NU	MBER OF OBS	ERVATIONS	-	10400

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4 18

DATA PROCESSING PRANCH ETAC/POTE AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LUKE	AFB AF	LIZOVA	PHUEN	tx		42	<u>-46,51</u>		EARS				CT
					ALL WI	EATHER							LL
					соя	DITION							
SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	ME. WII SPE
N	5,5	8.4	3.0	.4	. 1	•0	0					17.3	
NNE	2.1	2.1	.9	. 2	.1	.0			i	i		5.4	
NE	2,5	2.0	9	. 2	,0							5.6	-
ENE	1.0	.9	. 5	. 1	.0					1		2.5	
E	2,1	2,2	1.2	. 3	• C				,			5.8	
ESF	. 9	.9	6	-1	.0							2.5	
SE	1,3	1.4	71	. 1								3.5	
SSE	. 6	. 7	. 3	.0						]		1.6	-
5	1.6	1.9	. 3	1	.0							4.6	
SSW	9	1.6	1.2	. 4	.0					L		4.2	
sw	1.4	2,1	1.7	. 6	. 1	• 0			L	<u> </u>		5.9	
wsw	.6	9	. 7	. 3	• 0	• 0						2.4	
w	.9	1.0	4	1	.0	. 0			<u> </u>	<u> </u>		2.5	
WNW	- 4	. 6	1		, Ç	0						1.3	:
NW	1.3	1.4	3		0	.0						3.2	
NNW	1.6	2.7	8	1	.0			ļ	ļ	<u> </u>		5.2	
YARBL	<u></u>					Ļ				<u> </u>		<b> </b>	
LAIM	$\geq \leq$	$\geq \leq$	><	><	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		26.4	
	24.8	30.5	14.3	3.3	.4	. 1	.0					100.0	

USAFETAC FORM (0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL NUMBER OF OBSERVATIONS

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## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	E AFE A	STATION	NAME	•//			46,51		TEARS				V D V
					ALL #	EATHER							166
	_				CI	LASS						HOURS	(L S
	_				CON	DITION							
	_												
SPEED	<del> </del> -								<u> </u>	·			
(KNTS) DIR.	1.3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	v S
N	5.8	10.2	2.8	.4	.1	• 0	0		<del> </del>			20.3	
NNE	2.0	2.3	1.2	. 5	. 1							6.0	
NE	2.0	1.6	.7	3	. 0	.0						4.9	
ENE	9	1.0	. 4	. 2	.0				i			2.5	
E	1.9	٦.7	• 7	.2	•0	• 0				T		4.5	
ESE	. 8	. 3	. 3	.0								1.9	
SE	1.3	, 9	. 3	ن.					<del>                                     </del>			2.5	
SSE	8.	.6	.1	.0								1.6	_
5	2.2	; . B	.6		, C				i			4.6	
ssw	.9	1.3	. 8	. 3	Ú							3.3	
sw	1.4	1.1	1.0	- 4	0							4.0	
wsw.	. 5	. 5	. 4	. 2	<u>,</u> 0							1.5	
W	8	.6	. 3	. 2	1	• 0						1.9	
WNW	. 4	. 4	1	. 2	0	.0						1.2	
NW	1.5	1.4	5	2	. 0	C				1		3.6	
NNW	2.1	3.5	1.2	. 1	.0							6.3	
VARBL													
CALM	$\geq \leq$	$\times$	$\geq \leq$	$\times$	$\geq \leq$	$\times$	$\times$	$\geq \leq$	$\geq \leq$		$\geq \leq$	28.8	
	26.3	29.7	11.4	3.3	. 3	. 1	•0					100.0	

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSCRETE

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### SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23111 STATION	LUKE	AFB AS	RIZONA/	PHOEN	IX	ALL W		45,51	-71	FEADE		<u> </u>		OEC ONTH
							ASS						HOURS	(Lif T.)
	SPEED (KNTS) DIŔ,	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 · 55	≥56	%	MEAN WIND SPEED
Ī	N	7,2	10.6	2.5	, 2,	, C				i			20.3	4.6
Ì	NNE	2,3	2.1	. 9	.5	. 1	• 0			l			6.0	5.3 4.7
	NE	2,2	1.9	8	2	0	.0						5.1	4.7
[	ENE	. 9	. 8	. 31	, 1	.0					ļ		2.1	4.5
[	E	1.7	1.3	. 5	1								3.6	4,5
Į	ESE	. 8	6	.2	.0					ļ			1.6	4.0
Į	SE	1,0	B	2					l	<u> </u>			2.0	3.9
ļ	SSE	8		1	الكعب		ايوا		<u> </u>	!			1.5	3.8
ļ		1.6	1.7		1	• 0			<u> </u>				3,9	4.5
ļ	ssw	1.2	1.0	6		0				<u> </u>			3.2	5.6
1	sw	1.3		B	3				!	<u>!</u>	ļ	<u> </u>	3.6	6.1
ļ	wsw	- 4	4		2	0	c		ļ	<u> </u>			1.4	6.2
	w	8	6	2	2	.0				ļ			1.8	5.3
}	WNW	. 5	4	2	2	. 0	١٥٠		, 	<u> </u>			1.3	6.0
ļ	NW	2.0	1.5	5	2	<u>+</u>	ي و		<b> </b> -	<del> </del>	ļ		4.4	4.5
ļ	WWW	2,2	3.8	1.2	2	0			ļ	<del> </del> -	ļ	<del> </del>	7.3	4.9
	VARBL		<del>-  </del>	<del></del>		<del></del>		<	<del></del>	<del></del>	·			
	CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$			$\geq \leq$		30,7	
Į		26.8	29.3	9.9	2.7	5	1		<u> </u>	<u> </u>	<u> </u>	<u> </u>	100.0	3,3

USAFETAC FORM 0-8-5 (QL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

16

4 18

DATA PROCESSING BRANCH ETÁC/USAF AIR WEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ALL WEATHER   CONDITION   SPEED   1-3   4-6   7-10   11-16   17-21   22-27   28-33   34-40   41-47   48-55   ≥56   %   N   N   N   N   N   N   N   N   N	RI	UKE AF	FB A	RIZONA	/PHOEN	I X		42	46,52	-72	EADS				IAN
SPEED (KNTS) DIR.     1 · 3     4 · 6     7 · 10     11 · 16     17 · 21     22 · 27     28 · 33     34 · 40     41 · 47     48 · 55     ≥ 56     X     X       N     0 · 2     2 · 2 · 2 · 7     6 · 2     . 4     . C			-			<del></del>	ALL A	EATHER	v <del></del>			<del></del>		0000	)=020C
(KNTS)							CON	DITION							
NNE 3,2 5,1 1,5 1,0 3 ,0 11,2 1,0 1,9 1,0 1,0 1,0 1,0 1,0 1,0 1,0 1,0 1,0 1,0	T	TS) 1	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
NNE 3,2 5,1 1,5 1,0 3 0 11,2  NE 2,2 2,0 ,7	?		6,2	22.7		. 4	• C							37.6	5.0
NE	:1	1E	3,2	5.1	1.5		. 3	• 0							5,8
ENE	21	E	2,2	2.0	.7										4.3
E				.3											2.6
ESE				.3	.1									1.0	3.4
SE		E		.3	.0										4.3
SSE		£		.2											3.4
SSW	21	E	.2	1.1	.1									4	4.1
SSW	5		.5	.3		.1								1.0	5.0
SW	3	w	. 5	1 .4	.2	.1								1.1	5.3
WSW		w		.6	. 2	• Ú	. 1	0,						1.5	6.2 7.4
WNW 4 4 2 9 10 10 10 10 10 10 10 10 10 10 10 10 10	2	w	. 2	2		. 2	. 0							.6	7.4
NW 1.9 2.1 .8 .1 .0	5	/	. 5	. 3		. 2	ي و								5.7
NNW 3.1 5.8 2.0 -1 10.9	+	IW .	. 4	. 4	.2	. 0								1.0	4.6
NNW 3.1 5.8 2.0 -1 10.9	3	w	1,9	2.1	. 8	. 1	.0							4.9	4.9
VARBL II		w	3.1	5.8	2.0	- 1									5.1
20'7		IBL													
		ım	$\leq$			$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq$	$\geq$	$\geq$	><	20.7	

TOTAL NUMBER OF OBSERVATIONS 239:

USAFETAC FORM G-8-5 (QL-A) PREVIOUS FOITIONS OF THIS FORM ARE OBSOLT &

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## SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

2405

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LUKE	APB AR	ANGLES	PHOEN.	IX		420	46,52	<del>-</del> 72	ZARS				AN ONTH
				<del></del>	ALL W	EATHER				<del></del>		CSOC	)#0500 (( *.t.)
					сон	DITION							
SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	10.8	19.8	4.6	.3	.2	• 0						35,8	4.8
NNE	3.1	4.5		• 5	. 3	•1				1		9.9	5.7
NE	3.1	2.3	.6	. 1	.0			1				6.1	4.1
ENE	1.0	.6	. 1	٠٠								1.7	3.7
E	.6	.3	٠.0	.0				1				1.0	3,9
E>E	, 1	, 0	.0									2	4.5 3.7 3.0
SE	4	. 1	ن									, 5	3.7
SSE	.31	.2										. 5	3.0
5	. 5 . 4	, 5	1	1								1.2	4.5
ssw	641	4		1	0							1.0	5.4
SW	2	.7	. 2	. 2								1.3	6.0
wsw	2	.2	.0	- 2	.0							.7	6.0
<u>w</u>	3	3	. 2	.0								7	5.6
WNW	1 6	.3.						<u> </u>		<u> </u>		1.0	4.6
NW_	2.3	1.4	7	1		<u> </u>			<u> </u>		<u> </u>	4.5	4.4
NNW	3.6	5.2	2.0		<u> </u>	ļ <u>.                                    </u>		ļ	<u> </u>			10.8	4.7
VARBL	<u></u>			Ļ				<u> </u>	Ļ,	Ļ	L,	<b> </b>	
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	23,2						
	27.3	36.5	10.4	1.7	.7	.2						100.0	3.7

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLUTE

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# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LUKE	AFB AF	RIZONA.	PHOEN	1 X		42	-40,52	-72	TEADS	~~····································			MTHO
					ALL W	EATHER							0800
									·			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(231.)
	_				сон	DITION							
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 • 10	11 - 16	17 · 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	12.0	17.4	2,9	. 4	.0							32.7	4,3
NNE	3,3	3.3	1.2	3.	. 2	• 1						8,9	5.6 4.1
NE	2,8	2,5		Q								5.9	4.1
ENE	<u>نځ</u> 7	. 5	1									1.4	3.7
E		ي	- 2									1.5	4.1
ESE	. 2	. 3										. 5	3.7 4.1 3.2
SE	2		0		i			<u></u>				6	4.C 3.7 3.6 5.5
SSE	1							ļ				1.5	3.7
<u> </u>	1	- 5	1									1.5	3.6
ssw	ءَ ۔	4	2	0					<u> </u>			9	5.5
_w_	3	4	4			ļ		<u> </u>	<u> </u>			1.2	6.0
WSW	. 2	٥	1					<u> </u>	<u> </u>			3	4.5
w	5	. 4	2	, ũ				<u> </u>	<u> </u>				4.6 5.4
WNW	. 5	3	1		ي و			<u> </u>	<u> </u>			1.0	5.4
N₩	2.5	1.8	. 8		<u> </u>							5.2	4.4
NNW	3.7	5.1	1.4	2								11.4	4.7
VARBL	<u></u>			·,		L	ļ,	<u></u>					
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$			<u>`</u>	$\geq \leq$	25.6	T. Harris
	28.9	35.0	я. э	1.9	. 2	. 1		1	1	1		100 0	

TOTAL NUMBER OF OSSERVATIONS

USAFETAC FORM 0-3-5 (OL-1.) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ATION	LUKE	AFS A	RIZONA	PHOENT	X		42	46,52	-72	<u> </u>				AN
		_			, <del></del> ,,	ALL WI	ATHER		<del></del>				0900	)=1100
						CON	DITION		<del>,</del> -					
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
-	N	6,4	7.6	1.6	.5	.0	•1						16.2	4.7
	NNE	3,2	3.1	9.	1.8	. 5	٠0						9.5	5,8
	NE	3,8		1.2	.7								8.5	5.2
	ENE	2,2	1,5	. 3									4.1	3.8 3.8
Ľ	E	3,1	2.0	. 5									5.7	3.8
E	ESE	1.4	1.1	.1								i i	2.6	3.6
	SE	1.7	ម	.0	. 0								2,6	3,3
	\$SE	1.0	. 3										1.2	2.7
	S	9	.7	. 3	- 1								1.9	4.5
	ssw	. 6	. 5	. 3	. 3								1.8	6.1
L	sw	1.1	5	. 4	. 3	.0					<u></u>		2.3	5.6
Į.	wsw	, 3	1	i	2	0				<u> </u>	<u> </u>	11	7	6.9
L	w	. 5	3	1		.0					<u></u>	L	9	4.3
L	WNW	, 5	. 3	. 0	. 3	1	1		<u></u>		<u> </u>		1.3	7.8
L	ИW	1.0	1.1	. 4	. 3	1	• 0				l		2.9	6.2
L	NNW	1,5	1.9	3	ن و								4.0	4.5
[	VARBL													
	CALM	$\geq \leq$	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	><	33.5	
		29.1	24.8	6.7	4.5	1.0	. 3						100.0	

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL NUMBER OF OBSERVATIONS

2395

23111 STATION

- TANK

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LUKE	AFB AR	IZONA	/PHOEN!	I X		421	46,52	-72	EARS				IAN
	_				ALL WI	EATHER						1200	
						DITION							
SPEFO KNYS) DIR	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEA WIN SPEE
N	.5	1.5	,6	.4	.3	,0		<u> </u>				3,8	5
NAE	1 . 2 2 . 0	.9	. 5	.7	.0							3,3	-
NE	2.0	1.9	1.0	. 3	.01						<u> </u>	5.4	
ENE	1,6	1.7	. 8	. 3	.1			1				4.3	
	4,3	3.4	1,7	. 5	l			1				10.0	î
ESE	2.4	į, â	28	, U								5.1	
SE.	4.2	2,5	. 4	.0	0				i			7,6	
SSE	1.9	2,0	. 2									4.1	
S	3.4	2.6	9	. 2								7.1	
SSW	1.2	2.6 1.3	. 7	. 3								3.5	
sw	3,1	1.8	9	8	0							6.6	
wsw	5	. 7		5								2.0	
w	. 6	قو	قَ م	2	. 2							1.8	
WNW	, 3	2	3	1		.0						1.0	
NW	اظ م	4	2	1	.0	2		<u> </u>				2 م ل	
NNW	.2		. 2	1					<u> </u>		<u> </u>	1.0	
/ARBL								<u> </u>					
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	><	$\geq \leq$	31.7							
	28.5	24.1	9.7	4.5	<b>.</b> 6	. 3						100.0	

USAFETAC  $\frac{\text{FORM}}{\text{PUL-64}}$  0-8-5 (OL-2.) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23111	LUKE	AFB AF	RIZUNA	PHOEN	tx		42	46,52		EARS				AN
		_				ALL WI	EATHER				<del></del>		1500	)=1700 ((1.7.)
						CON	DITION							
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - !6	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥:6	%	MEAN WIND SPEED
	N	, 6	1.0	. 8	.4	.1				i			3.2	6.6
	NNE	.6	.7	.3	.4	• 0					i		2.0	6.7
	Nξ	1.2	. 9	.6	. 2	.1							3.1	5.5
	ENE	, 0	1.2	4	.2								2.3	5.6
	3	3.1	2.4	1.7	. 3								7.5	5.1
	ESE	1.5	1.3	. 6	. 1								3.5	4.7
	SE	3.4	2.0	. 3	1								5.9	3.7
	SS€	3,2	1.7	. 4	.0								5.4	3.5
		5,2	5,8	1.5	2	.0				İ		<u> </u>	12.8	4.4
	ssw	2.0	3.3	1.7	7					<u> </u>	<u> </u>	<u> </u>	7.8	3.8
	SW	2,3	2,9	1.8	1.1	.2	<u>• Q</u>			<u> </u>		l	8.4	6.6
	WsW	7	. 8	6	. 4								2.5	5.1 7.7
	w	.6		7	7	1					<u> </u>		3.4	747
	WNW	. 5	3	. 4	2	.0					<u> </u>	ļ	1.5	6.8
	NW	8	6	2	2		0			Í	ļ		2.0	6.2
	NNW	7	. 5								<u> </u>	ļ	1.6	5.4
	VARBL	<del></del>									<u></u>			
	CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		27.2	
	1	1 00 0				ا		I	1	ı	I	1 1	امی ما	

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-2-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3/ :

DATA PROCESSING SHALLCH ETAC/USAF AIR MEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	KE AFD A	MILLIA	/ FRUEN	<u> </u>		421	140125	10 [2	YEARS			بيــــــــــــــــــــــــــــــــــــ	MIN
		212110			ایت ۸۱۱	SATUED			16.782				2000
	_				A P P	ATHER			·			HOURS	(L S T.)
					CON	DITION							
					COM	VIIION							
	-								-	_			
SPEED (KNTS) DIR.		4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	4.1	5.0	1.3	. 5	. 2							11.0	4.8
NNE	1.3	8.	. 8	. 6		• 2				<u> </u>		3,7	5,9
NE	1.4	, d		- 1								2.9	4.6
ENE	. 4		, 2									1.1	4.3
E	1 1.0		.4									2.2	4.2
ESE	. 4			Ú								9	4.6
SE	1.0		1							<u> </u>		1.8	3.8
SSE	1,0	.6	.0					l				1.6	3.3
5	2.8	3.0	. 4									6.2	3,9
35₩	2.1	2.6		. 2	1			<u> </u>	<u> </u>	<u> </u>	l1	5.6	4.8
sw	1.7			. 4								5.8	5.3
wsw		. 9	4.4	. 2	.0	.0		<u></u>				2.7	5.3
w	1.5	1.3	7	3								3.8	3.1
WMM			. 4	2								3.7	4.9
NW	3,4		5	.0								7.0	4.0
WNN	2.7	3.8	. 8	1	G							7.5	4.4
VARBL													
CALM		$\geq \leq$	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		$\geq$		><	32.4	
	27 1		0 0	2.0		•		I				100 0	2 2

TOTAL NUMBER OF OBSERVATIONS 240

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

<del></del>	LUKE	AFB AF	STATION	PPUEN.	IX	<del></del>	421	40,52	-72	EARS			·	ONTH
		_				ALL WI	EATHER						2100	)=2300
						сон	DITION							
(Ki	PEED NYS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N	7.6	20.5	6,9	.6	.0							35,5	5,2
1	NE	1.9	2.9	1.2	• 9	. 2	• 2						7.3	6.8
	NE	1.6	1.8	1.1									4.6	5.0
	NE 3NE	, 4	. 3										.6	3.5
	Ε	, 6	. 3		• 0								1.0	3.7
	ESE	.6	- 2										ą	3.0
	SE	. 3	. 4	٥.	٠,								. 8	3.0 4.3
	SSE		. 3											5.8
	S	7	8	2	.2						ļ		1.8	5.0
	sw	6		3	2	C					<u> </u>		1.6	5.8
- }	sw	6	. 3	2	2							ļ <u>.</u>	1.7	5,8
	vsw		. 3	0	1		<u> </u>				ļ	[	<u>\$</u>	5.8 7.2
ļ .	w	. 4	.6	3	.3	0			ļ		ļ		1.6	7.2
	/NW	. 6	5		. 3						ļ		1.5	5.4
<del></del>	NW	2.1	2.6	1.1	.3	ļ			<del> </del>		<u> </u>		6.1	5.1
-	INW	3,9	8.9	2.8	3				ļ		ļ		15.8	5.1
-	ARBL		<del>\</del>		<del></del>	<del></del>		_	<b>-</b>	k	<del></del>		10.7	
	ALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$			18.3	
	61			<b>.</b>					1	,	i .		1	

TOTAL NUMBER OF OBSERVATIONS 2393

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	DIVE PUBLICA	ALL S IN CL. AND	11: 11: CIGITY	<u> </u>		74'							- 40
		STATION	N MAME						YEAR\$				IONTH
					ALL W	EATHER						0000	0 <u>=0200</u>
					CI	LASS						HOURS	5 (L.S.T.)
					CON	DITION							
	-									_			
		<del>-,</del>	<del>,</del>	<del></del>	<del></del>	<del>,</del>	<del></del>		<del>,</del>		<del>,</del>	<del></del>	<del></del>
SPEED (KNTS DIR.	5) 1-3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	8.1	21.7	7.6	. 3	.1	•1				<del>                                     </del>	<del>  </del>	37.9	5.3
NNE	1 1	3.8	1.0	. 5	. 1	.1	• 0					7,4	5,9
NE	1.7	2,5	. 3									4,7	4.5
ENE												1.0	4.5
E		. 4										1.0	3.8
ESE		2										.3	3.2
SE		3 4										.7	3.9
5SE		3 . 3										.6	3.5
S	,	7 1.4		,3								2.5	5.8
ssw	/   3	8		.3	, 1							2.0	7.1
sw			. 8									2.6	
WSW	v .	.5	. 3	. 1	1							1.4	7.2
w		3 .4										1.1	6.0
WNW	V	4 .4										1.2	6.0 5.5
NW			1.3	.3	.0							5.3	5.8
NNW	v 2,9				.1							12.7	5.3
VARB									<u> </u>				
CALA	<u>۸</u>   > <		><	$\supset <$		$\supset \subset$	><	><				17.5	
	20 (	42.0	15 /	3 0	7	2	^					100 0	. K

TOTAL NUMBER OF OBSERVATIONS 2136

USAFETAC FORM 1-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1 1

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23111 STATION	LUKE	AFB A	AMOST	PHOEN	IX		42	46,52	<del>-7</del> 2	TEARS			- <u>-</u>	FEB_
						ALL n	EATHER	<del></del>						)=0500 (L3.7.)
						сон	DITION				<del></del> -			
	SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N	9.7	21.6	5.0	• 4							İ	36.9	4.8
	NNE	2.9	4.7	1,1	.3		• 0				<del></del>		9.1	5.0
	HE	3.1	2.7	5	.1								6.5	4.1
j	ENE	. 7	. 6	. 1	.1								1.5	4.5
	E	. 6	. 5	1									1.1	3,9
	ESE	.3	3	Q									. 7	3.5
	\$E												. 7	3.1 3.4
	SSE	. 3	.2										. 5	
	5	<u>.</u> c	7	3	1						<u> </u>	<u> </u>	1.7	5.2
	SSW	. 3	6	6	. 4	1					<u> </u>		2.1	7.3
	sw	,2	. 9		3				ļ		<u> </u>		2.0	7.0
	WSW	1	2	4	1	0							8	8.0
	w	- 4	2	2	2	0					<u> </u>	ļ	1.1	7.1
	WNW	[5.	3	2			al				<u> </u>		. 9	8.D
	NW	1.6	1.9	9						<u> </u>	ļ		4,5	5.4
	NNW	2.5	6.0	2.2	2				<del> </del>		ļ		11.0	5.2
	VARBL			<del></del>						<del> </del>	ļ			<del>~~~~~</del>
	CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		$\geq \leq$	18.7	
	L	24.3	41.7	12.1	2.8	. 3	-1		<u></u>	<u> </u>		<u> </u>	100.0	4.1

USAFETAC FORM 0-9-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23111	LUKE	AFB AF	A ZUNA	PHUEN:	ΙX		42	45,52	-72	TEARS			<u> </u>	EB
31A 1 NA						ALL WE	EATHER				<del></del>		9600	0800 (Ls t.)
		_				сом	DITION				<del></del>			
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N	9,5	19.7	4.0	.5	.0					i		33,9	4.5
j	NNE	3,0	3,8	1.0	• 4	.1		• 0					€.41	5.2
Ì	NE	2,4	2,3	. 5									5,1	4.1
	ENE	.7	,7	2,	.1								1.7	۷,8
	E	, 9	. 4										1.4	3.2
	ESE	.5	.1										.6	2.9
	SE	5	. 3										8	3.1
	SSE	, 1	.0	.0									. 2	3.8
	5	.6	1.0	. 4	ان <b>.</b> ا								2.0	5.1
	ssw	. 3	.7	7	. 4	٥٠				<u> </u>	<u> </u>		2.1	7.5
	sw	7	.5	. 6						<u> </u>	<u> </u>		1.9	5.7
į	W5W	1	. 4	2	- 4					<u> </u>	<u> </u>	l	1.1	8.0
	w	.3		1	1	ن							1.1	6.4
	WNW	5	5	1	2		و ــــــــــــــــــــــــــــــــــــ				<u> </u>	<u> </u>	1.4	6.4
	NW	2.0	2.1	. 8	2		1			<u> </u>	<u></u>		5.1	4,9
	NNW	4.0	5.2	2.0	- 2								11.3	4.8
	VARBL	<b></b>	اا							Ļ	Ļ,			
	CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	21.9	
		26,3	38.1	10.5	2.6	. 3	.1	.0					100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 213

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE ORSOLETE

# SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

2137

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

111	LUKE	AFB AF	RIZONA	PHOEN	IX		421	46,52	-72				<u> </u>	EB
1			STATION	MAME					,	YEARS				NTH
						ALL WI	EATHER						0900	-1100
						Ci	A\$6						HOURS	(L.S.T.)
		_				сон	DITION				_			
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
	N	5.0	4.9	1.8	1.3	.4	•0	.0					13.4	5,7
	NNE	2.5	2,9	1,3	.9	• 5	4.1						8.1	6,9
	NE	3,5	2.7	1.0	. 5	, 1							7.8	4,8
	ENE	1.7	2,3	. 4		.0							4.5	4.3
	E	3,6	3.2	. 7	.1					1	1		7.7	4.0
	ESE	2.0	1.7	. 2									3.8	3.8
	SE	2.5	1.2	1									3.8	3.4
	SCE	. 9	.4	.1									1.5	3.3
	S	1.6	1.4	. 5	1	.0							3.7	4.6
	ssw	.7	1.0	1.0	. 3								2.9	5.4
Ì	sw	9	1.2	1.0	.7		. 0			I			3.8	7.3
ı	WSW	2.5	. 2	- 4	. 4	. 1							1.5	8.5
	W	.6	4.5	0	. 2		و ا						1.5	5.9
i	WN1Y	. 4	, 3		3		.0						1.1	7.2
	NW	, 9	. 7	. 5	. 3	1							2.4	6.3
	NNW	1.3	1.9	.7	.2	٥٠	• 1			1			4.2	5.7
	VARBL													
	CALM		$\geq \leq$	$\geq$	> <	> <	$\times$	> <	$\geq$	$\geq$	$\geq \leq$	><	28,3	
		28,4	26.3	9.8	5.3	1.4	• 4	٥٠					100.0	3.9

USAFETAC FORM C-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4 10

DATA PROCESSING BRANCH ETAC/USAF AIR HEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LUKE	AFB AF	RIZONA	/PHOFN	! X		42	46,52	-72				3	EB
,		STATION	HAME						YEARS				
					ALL HI	EATHER						1200	-1400
					CI	A88						HOURS	(L.S.T.)
						DITION							
					CON	DITTOR							
	_							<del></del>	· · · · ·				
	,								,				
SPEED (KNTS) DIR,	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N N	1.1	1 6		6	, 1				<u> </u>			4,3	6,7
NNE		1.6	.8 .7	.5	.0				<del> </del>	<del> </del> -	<del></del>	2,3	7 2
	- 6	1.3							<del> </del>	<b> </b>			7.3
NE	2,1		7	.4				<del> </del>	<del> </del>	<del> </del>		4.6	5.4
ENE	1.1	1.5	7	. 4	. 2			<del></del>	<del> </del>			3.9	6.1
E	3.0	3.7	1,6	. 5	. 1			ļ				9.0	5,4
ESE	2.4	2.8	8	- 3				<del> </del>	<del> </del> -			6.3	4:7
SE	2.8	3.0						<u> </u> -	<del> </del>	ļ		6.7	4.2
SSE	1,7	2,3	9	. 9				ļ	ļ			4.9	4,5
s	3,2	4.2	1.3	,5				<u> </u>		<u> </u>		9.2	4.8
SSW	1.4	1.9	1.6	.7				<u> </u>	<u> </u>		<u> </u>	5.7	6.3
sw	1,6	2,2	2,0	1.3	. 2				ļ			7.4	7.3
WSW	. 8	- 9	104	1.0	.3	.0			ļ	<del> </del>		4.4	8.5
w	1.0	. 8	.6	- 9	- 4	1		<u> </u>	<u> </u>			3,8	9.0
WNW	- 4	- 4	2	. 4	.0			<u> </u>	<u> </u>	<u> </u>		1.5	7.7
NW	7	. 4		. 2	1	0		<u> </u>	<u> </u>	<u> </u>		2.1	7.5
NNW	.6	.5	. 5	2	Q c	.0		ļ	<u> </u>			1.9	7.1
VARBL													
CALM		> <	><	><	><	><		$\geq <$	$\supset <$			22.2	
	24.5	57 8	15 4	7.0	1 7	. (						100 0	7. 7

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2135

TOTAL NUMBER OF OBSERVATIONS

3, 4

DATA PROCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/~AC

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23111 STATION	LUKE	AFB A	RIZONA	PHOEN	ΙX		<u> </u>	EB						
						ALL M	EATHER			EARS			1500	)=1700 (Lata)
		<u>-</u>					DITION		<del></del>		<u> </u>			
:	SPEED (KNTS) DIR.	1 - 3	4 - 6	•2 •7 •2 •1										
	N	1.2	1.2	.7	. 2	. 1							3.4	5,9
	NNE	. 3	.4	. 5	. 2	.0	•0				i		1,5	7.8
	NE	.7	.7	.6	.3	.1							2.3	6.8
	ENE	.6		.6	. 2	.0							2,4	6.1 5.5
	E	2,0	1,9	1,4	. 4								5,6	5,5
	ESE	,6	1.0	. 5	. 1								2.3	5.4
	SE	1.9	2.5		1								5.4	4.6
	3SE	1.8		5							<u> </u>	<u> </u>	4.1	4.5
	<u>s</u>	4,0	6.8	3.1	1.2						ļ		15.1	5.6
	ssw	2,1	3,9	2.5	1.8	- 1	1				J		10.3	6,9
	SW	2.0		4.7	2.9	, 5	. 2				<b> </b>	<del></del>	14.2	8,2 2,3
	WSW	8	1.4	1.6	1.0	.2			<u> </u>				5a1	3_3
	w	1.2	- 5	1.7	1.4	. 4				ļ	i		5.8	9.0
	WNW		5		8	,5		•0	<del> </del> -		<del> </del>	<del></del>	2.6	11.6
	NW	3	. 5	4	1	.1	0		<del></del>	ļ		ļ	<del></del>	8.C 7.1
	VARBL	.6	. 6	4	=	<u>+</u>				<del> </del>	<del></del>	<del> </del>	2.0	
	CALM		$\overline{}$	> <	>	> <	>	> <	> <		>	<b>X</b>	16.1	
		20.5	28.8	20.5	11.0	2,3	.8	.0					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 2130

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLUTE

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## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

20111	LUKE	AFB AF	ZIZONA	PHOEN!	<u> </u>		42	46,52						28
STATION			STATION	HAME						EARS		-		CRTH
						ALL WI	EATHER						1800	200C
						CE	A55						HOTES	(L.S.T.)
		_				сон	LITION				<del></del>			
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N	2,7	2,3	. 9	. 2	. 1	• 0						6,2	4.9
	NNE	.7	1.0		• 3	٥.							2,7	4.9 6.3
	NE	1.2	1.4	. 5	• 1								3.2	4.5
	ENE	. 5	8.	. 2	ن.								1.6	4.8
	ŧ	.6	1.0	- 4							i		2.0	4.6
	ESE	.4	ć	1							i		1.11	4.3
	SE	. 9	1.1	.1	٠٤				·				2.1	4.2
	SSE	1,2	9	. 1							<del> </del>	1	2.2	4.2 3.7
	s	4,4	5.0	1,5	, 1						I		11.3	4.5
	SSW	2,2	4.5	1.6	. 4	, 2	, Q		<u> </u>			1	9.2	3.7
	. sw_	2.5	5,5	2.6	1.0	٠U	•1						11.7	6.0
	WSW	ç	2.1		. 3	.0							4.9	6.1
	w_	1.8	2.4	1.7	. 3	0	• 1				T		6.4	6.C
	WNW	1.1	1.5	. 8	.7	- 4							4.3	6.C 7.3
	NW	1.4	2.7	.6	. 5	. 2							5.4	3.8
	NNW	1.2	2.4	. 5	.1		,0				i		4.2	4.9
	VARBL	ii							i		l			
	CALM		><		><	><	><	> <		$\supset <$			21.4	
		23.7	35.1	14.3	4.1	1.1	3						100.0	

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE CASOLITE

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23111 STATION	LUKE	AFB AS	RIZONA	PARE	ΙX		42	46,52	-72	TEARS			<u>F</u>	E 6
						ALL W	EATHER		·				2100	)=2300 (L.s.t.)
		_				CON	DITION							
ļ	SPEED (KNTS) DIR.	1 · 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N	6,0	14.5	6.0	.9		• 0			<del> </del>			27.5	3,4
	NNE	1.8	2.3	, 8	. 3	.0							5,3	5,1
	NE	1.5	1.3	. 9	, 3								4.C	5.5
	ENE	. 4	.7	1						!			1.2	4.1
	E	.7	. 7	. 2	. 6					1			1.6	4.5
	ESE	2	رق ا	.2									.7	5.0
	SE	. 5	. 4	. 0									9	3.9
	SSE	. 3		• 0	1								. 7	5.1
	S	1.5	1.6	. 8	1	.0			İ			!	4.1	5.1
	5SW_	. 6	1.4	1.0	. 3							ļ.	3.5	6.9
	sw	1.0	1.7	1.2	3					<u> </u>			4.1	5.9
	WSW	7	9	6	4				<u> </u>			<u> </u>	2,5	6,3
	w	. 6		2	2				ļ				2.1	3.4
	WNW	. 5	1.0	3	6			<u> </u>	<u> </u>	}			2,4	7.5
	NW	2.3	3.1	1.5	4		0		<u> </u>	ļ	<u> </u>		7.6	5.7
	NNW	2.9		2.9	2		c			<del> </del>	<u> </u>		13.7	5,4
	VARBL							<u> </u>		<del></del>				
	CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		$\geq \leq$	$\geq \leq$	$\geq \leq$	19,1	
		21.3	38.8	15.9	4.3	. 5	1		<u> </u>	<u> </u>	<u> </u>		100.0	4.5

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2143

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

<u> LU</u>	KE AFE A	RIZONA.	PHOEN.	IX		42	45,52	<u>-72</u>	TEARS			<u>}</u>	HAR
	_	· · · · · · · · · · · · · · · · · · ·			ALL W	EATHER			<del></del>	<u> </u>		0000	0=0200
	_					DITION							, (1,5,1.)
	-												
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPELD
N	6,1	16.8	5.8	. 5				l				29.1	5.2
NNE	1.7		1.4	.6	,1				<del> </del>	í		5.7	5.6
NE	2.3	<del>,</del>	. 7							i		5.5	4.4
ENE	.6		.1						·	<del>                                     </del>		1.2	3.8
E	1.0		5.						<u> </u>			1.9	3.8
ESE	. 3		0					<del></del>	İ	<u> </u>		.6	3.5
SE	- 4		- 3						1		i	9	4.5
SSE	.2	.3	.1					i				.6	4.5
S	1.3	2.1	. 8	. ;3		.0						4.5	5.6
SSW	. 7	1.0	1.6		. 1	0						4.0	7.5
sw	. 6	1.8	1.9	1.2	, 2	• 0						5.8	8.1
Wsw	. 3	. 0	. 3	. 2								1.5	5,9
w	. 3	1.0	4	0								1.7	5.1
WNW	4	. 4	5	. 2								1.5	6.6
NW	1.9		1.4	. 5	.0							6.5	5.8
NNW	2,2	5.4	2.7	. 4								10.9	5.7
VARBL													
CALM		$\geq \leq$	$\geq \leq$	><	$\geq \leq$	$\geq \leq$	$\times$	$\geq \leq$	$\geq \leq$		$\geq \leq$	15.3	
	20.6	40.9	18.2	4.4	. 5	•1		1		]		100.0	4.7

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLUTE

TOTAL NUMBER OF OBSERVATIONS

2313

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	LUKS	AFB AF	RIZONA	PHOEN	IX		42	45,52	<del>-72</del>	TEARS			<u>N</u>	AR
						ALL Wi	EATHER						0300	)=0500
						COM	DITICH							
	SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
	N	7.7	19.7	3,4	.6	.1					<u> </u>		33,5	5.0
	NNE	2,3	4,2	. 8	, 5	.0				<u> </u>			8.0	5,1
	NE	2,3	3.0	4	S								5.9	4.6
	ENE	. 6	.7	1							i		1.4	4.0
	Ε	. 8	1.0	.0									1.9	4.0
~~	ESE	, 2	. 5										7	3.8
	SE	. 4	.5	1									1.0	4.2
	SSE	. 5	. 3	1									. 9	4.0
	S	1.0	1.9	7	, 3								3 8	5.4
	SSW	. 5	1,3	1.3	. 6								4.0	7.3
	sw	ق ق	1.6	_1.0	. 6	. 1							3.7	7.5
<u></u>	WSW	. 3		- 4	.2								1.2	7,0 5,5
	w	3	. 3		1						<u> </u>		9	5.5
_	WNW	2	3	2	1								. 8	6.7
<u>_</u>	NW	2.0	1.7	9	L	ن و				[	<u> </u>		4.8	4.9
L	NNW	2,3	6.2	2.4	3	.0						<u> </u>	11.2	5,4
L	VARBL							<u></u> ,			Ļ,			
	CALM	$\geq \leq$	$\gg \leq$	$\geq \leq$	$> \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		$\geq \leq$	$\geq \leq$	16.4	
_		21.8	43.5	14.1	3.9	. 3		]	}	]			100.0	1

TOTAL NUMBER OF OSSERVATIONS 2310

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

\*

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23111 STATION	LUKE	AFB AF	A A I Z LI A	PHOEN	IX	<del></del>	421	45,52	<u>~72</u>	EARS	<del></del>			AR ONTH
			<del></del>			ALL YE	ATHER				<del></del>		060C	(LET.)
						CON	DITION							
	SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
Ī	N	5,9	17.9	3.7	.7	. 2	• 0	-/					31.4	4.9
Ī	NNE	2.8	3.5	.8	8	. 2			i				8,1	5.5
[	NE	2.6	2.3	. 6	1	.0							5.8	4.4
[	ENE	8	. 8	.0									1.6	3.7
I	E	1.2	, 5										1.7	3.2
[	ESE	3	. 3	1									. 7	4.1
Į	SE	. 6	. 4	.0									1.0	3.6
1	SSE	. 2	4	2									. B	5,1
Į	s	1,1	1.7	. 8	1								2.7	5.3
ļ	ssw	7	1.3	للمغني	5				<u></u>		<u> </u>		3.7	6.6
Į.	<u>sw</u>	7	1.4	1.3	6	1				ļ	<u> </u>	<u> </u>	4.0	7.0
,	wsw	. 3		3					<u> </u>			ļi	1,2	7.0
	w	- 4	4	1		.0							1.0	5.4
	WNW	3	. 4	1	. 3	0				<u> </u>	<u> </u>	<u> </u>	1,2	6.9
	NW	1.9		5		.0			ļ	<u> </u>			4.5	4.5
ļ	NNW	3.1	7.0	1.3	2					<u> </u>		ļ	11.5	4.8
į	VARBL			<del></del>					ļ		Ļ			
	CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	18.0	
		26.0	40.7	10.9	3.7	. 7	.0	L	<u> </u>				100.0	4.1

USAFETAC FORM 0-0-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

3111	LUKE	AFB AF	IZONA/	PHDENT	X		42	45,52	-72				<u>N</u>	AR
BTATION			STATION	HAME					,	EARS				
				·		ALL ME	ATHER						7930	(L.E.T.)
						cr	A\$\$						HOURS	(L.S.T.)
						CONI	HOITIG				-			
						<del>.</del>				<del></del>				
	SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 · 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N	2,2	3.0	1.9	1.0	,3	• 1			<del></del>			8,6	6.7
	NNE	1.5	2.4	. 9	.6	.6							6.1	6.9
	NE	2.9	2.7	9	. 8								7.5	5,5
	ENE	2,4	2.8	, ઇ	.4								6.4	4.0
	E	4,4	4,0	8	. 1								9,3	4.1
	ESE	1,0	3.4	.7	.0				L				5.6 5.9	4.6
	SE	3.0	2,7	- 2									5.9	3.7
	SSE	1.0	1,0	1									2.1	3.7
	5	1.0	1.7	1.1	. 9								5.4	6.2
	SSW	9	1,6	1.5	1.5	1							5.7	7.9
	sw	1.0	1.1	2.6	2.1	. 4	1						7.3	9.4
	W5W	.3	. 2	.1	.3	. 2							1.2	9.4
	w	.4	,3	1	. 2	.2							1.1	7.7
	WNW	.3	.01	.31	1	2	.0						9	9.9
	NW	.6	.5	5	. 3	0	1						2.1	7.9
	NNW	. 4	, 8	.6	1						i		1.9	5.9
	VARBL									Ī				
	CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq <$	><	22.9	
		24.7	28.2	13.1	8.6	2,2	.3						100.0	4.7
										TOTAL NUA	ABSR OF OBS	ERVATIONS		2316

## SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LUK	E AFB A	RIZONA.	PHOFN	IX		42	43,52	-72	rears			<u> </u>	AK ONTH
	_				ALL M	ATHER						1200	)=1400
	_				CL	A\$\$				<del></del>		HOURS	(L 8.T.)
	-			·	cox	DITION				<del></del>			
	_												
SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	, 9	1.3	.6	.3	• 0	• 1						3,2	6.4
NNE	, 5		, 5	, 3	.0							1.9	6.9
NE	1.2	1.5	, તે	2								3.6	5.3
ENE	1.1	1.4	.6	. 1								3.2	5.0
Ε	2.3	3,8	1.5	.2	.0							7.7	5.1
ESE	1,2	2.0	7							T		4.7	5.0
SE	2,3	4.2	. 9	. 1					T			7.5	4.7
SSE	1,8	2.9	. 6	. છ								5.4	4.6
S	2.5	5.9	3.5	<b>.</b> 8	0							12.B	5.9
ssw	1.3	3,0	3,3	2.0	.6	. 1						10.2	8.3
sw	1.5	3.0		3,1	6	1						12.1	8.6
WSW	1,2	1.2	1.0	1.1	, 6	. 2						5,3	9.2
w	, d	1.2	1.0	9	a •	. 1						4.3	8.3
WNW	1	. 3	. 4	,6	, 2		Ç					1.7	11.9
NW	. 3	. 5	3	. 3		•0	.0					1,4	8.3
NNW	. 3	.6	.2	.1								1.2	5.9
VARBL													
CALM		$\geq$	$\geq \leq$	$\geq \leq$	$\times$	$\times$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq$		13.9	
	19.5	33.9	19.3	10.3	2.5	.6	. 1			]		100.0	5.8

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LUK	E AFE A	RIZONA	PHOEN	IX		42	-45,52		SARS			- <u>-                                  </u>	AR
	_				ALL W	ATHER						1500 HOURS	)≈1700 (C.S.T.)
	-				СОН	DITION	<del></del>						
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	.5	.6	.6	•1	. C	• 0						1.9	6,6
NNE	. 6	.4	.1	.4	.0					<del>                                     </del>	i	1,6	7,5
NE	1.0	8.	5.	.0			٥٠					2.1	4.6
ENE	.3	4	- 4							<del> </del>		1.2	5,8
Ε	. 8	1.6	.7	1 .21						<del> </del>		3.3	5.9
ESE	.5	1.1	. 3	Ç								1.9	5.1
SE	1.6	2.1	<i>K</i>									4.2	4.3
SSE	7	1,9	5	, 3								3.4	5.5
\$	2.5		5,8	1.6	.1							15.8	6.8
SSW	1,1	3,5	5,5	2.9	. 5	. 2						13.7	9,8
sw	1,9	4.7	5,4	4.8	, 9							17.7	8.9
WSW	.7		2.7	2.4	1.1	1	<u> </u>			<u> </u>	<u> </u>	9.0	10.3
W	3,	1.6	1.4	1.9	. 7	.0			<u> </u>	<u> </u>		6.4	9.6
WNW	. 5		4	1.3	. 6	. 3	0	0		<u> </u>	<u> </u>	3.7	12.5
NW	1 .5	6	5	B	. 3	- 2				<u> </u>	<u> </u>	2.9	9.9
NNW	3	3	3	.3					<u> </u>			1.2	7,5
VARBL	<u> </u>			ļ		,			Ļ.,	ļ	Ļ		
CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$			$\geq \leq$	10.0	
	14.5	27.6	25.4	17.1	4.3	.9	.2		Ì	ļ	İ	100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 2311

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

_	LUKE	AFB AF	RIZONA	PHOEN:	IX		421	45,52	-72					AR
			STATION	NAME					,	EARS				
						ALL WI	EATHER						1800	200C
						cı	A58						HOURS	(L \$.T.)
						сон	DITION				<del>-</del>			
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
ľ	N	1,1	1.0	. 4	. 2	,0	.0						2.7	5,3
Ì	NNE	.6	. 6	. 3	.0	.0							1.6	5,4
Ī	NE	3.	. 3	. 3	ن							·	1.4	4.6
Ì	ENE	.6	9.	.1	• 1								1.5	4.5
ľ	E	.9	1.2	. 5	.1	, C							2.8	5,3
t	ESE	4	,6	3									1.4	5.1
ľ	SE	. 8	1.0	. 1	.0								2.0	4,3
Ì	SSE	8	1.0	.2	Ü								2.4	4.4
ľ	5	3.9	5.7	2.6	.2	.1	• 0						12.5	5.2
t	ssw	1.8	5.2	3.7	1.3	ì	. 1						12.3	6.8
ľ	sw	2.2	6.0	5.6		.3							16.5	7.3
Ì	wsw	1.2	2.3	2.4	1.1	.0							7.1	7.0
Ì	w	1.3	2.4	2.5	1.3	1							7.7	7.3
t	WNW	1.1	1.4	1.0		2	• 0						4.8	7.6
ŀ	NW	1.3	2,3	1.3	.8	.3	.0						6.0	7.2
t	NNW	8.	9	. 4	.2	.1	V						2.4	2.6
ŀ	VARBL		A.7											<del></del>
t	CALM			$\overline{}$			$\sim$	$\overline{\mathbf{x}}$					14.8	
ł		19 6	72 1	21 0	0 1	1 2	2	£					100 0	<b>8</b> 8

TOTAL NUMBER OF OBSERVATIONS 2311

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23111	LUKE	AFB AF	A I Z DINA	PHOEN	XX		42	45,52		EARS			<u>M</u>	AR
						ALL WE	ATHER				<del></del>			)=2300 (L = T.)
						сон	PITION							
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
1	N	4.5	8.5	3.2	.3								16.5	5,0
	NN2	1.5	2,2	.9	. 3	. 1							5.0	5,5
[	NE	1.6	1.7	.6									3.8	4.3
[	ENE	.5	. 8	. 1	• 0				!				1.5	4.3
[	E	1.1	8	3	.0								2.2	4.3
	ESE	. 2	5	3									1.0	5.0
]	SE	. 4	7	2									1.3	4.5
Į	SSE	. 6	5	Q		0			<u></u>				1.2	4.1
J.	<u> </u>	1.4	2.2	1.4	3	.0							5.4	F.7
Į.	ssw	1.1	2.7	1.5	8						<u> </u>		6,3	6.9
j	sw	1.3	2.9	3.1	9	.2							8.3	7.1
ļ	wsw	8	1.4						<b> </b> -				3.5	
- 1	W	. 8	1.3	7	3	0					ļ		3.2	
	WNW	8	1.5	6					ļ				3.5	5.3
}	NW_	2.1	4.3	2.2	7			<u> </u>	<u> </u>		ļ		9.4	5.5
}	NNW VARBL	2.0	4.6	2.4	3	.0		<b> </b>	<del> </del> -				9.4	-3.27
	CALM	>	> <	>	$\overline{}$	>	> <	>	$\sim$	> <	$\sim$	$\sim$	18.1	
		20,6	35.7	18.6	5.2	.6	1						100.0	<u>\$.7</u>

USAFETAC  $\frac{\text{FORM}}{\text{JUL 64}}$  0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23111 STATIO!	LUKE	AFB AF	RIZONA	PHOEN:	I X		42	.46,51	<del>-</del> 72	EARS				APR
		_				ALL NI	EATHER						0000	0=0200
		-					DITION							, (E4.11)
	SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
i	N	4.7	16.7	3,3	. 2	. 1							18.9	5.1
1	NNE	1.8	3,3	7	. 1						i		5.9	4.7
ĺ	NE	1.9	2.0	3	. 1								4.4	4.3
	ENE	4	, ៩	.0									1.2	3,9
	E	1.1	. 7	2	0								1.9	4.0
į	ESE	.3	- 4	C									.7	4.2
į	SE	8	6	. 2									1.6	3.9
	SSE	. 5	.7	-1	.0								1.4	4.3
	\$	1,2	2.3	1.1	. 5	0							5.0	5.9
	ssw	1.3	1.9	2.9	9	1				İ		<u> </u>	7.1	7.3
	sw	1.1	3.0	5.2	2.1	5	0					اـــــا	11.8	8.3
	wsw	3	1.5	9	5	^i					<u> </u>		3.3	7.3
	w		5	6									1.9	2.2
į	WNW	.6	. 6	. 3	<u> </u>							<u> </u>	1.5	5.2
	NW	1,5	1.9	1.4									5.2	5.8
	NNW	2.0	403	1.7	3				<u> </u>		ļ	ļ	8.2	5.3
	VARBL							<del></del> >	ļ		ļ			
	CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\leq$	$\geq \leq$	20.0	
		20.0	35.0	18.9	5.2	8	. 0	_	<u></u>	<u> </u>			100.0	4.7

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_ 2365

USAFETAC FORM 1-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

## SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

2356

# PERCENTAC FREQUENCY OF WIND DOLLUTION AND SPEED (FROM HOURLY OBSERVATIONS)

	LUKE	AFB AF	RIZONA	PHOEN!	IX		42	46,51	-72	EARS			·	PR
						ALL WIL	ATHER			<del></del>	<del></del>		0300	) <u>⇔050(</u> (L37.)
						CONS	DITION							
!	SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
ľ	N	7,3	14.6	3.0	. 4								25.2	4.7
•	NNE	2,7	3.3	.7	. 3								7.0	4.6
	NE	2,3	1.9	. 4		.0							4.6	4,6 3,9
Γ	ENE	.6	ó	.0									1.3	3.7
Γ	E	. 8	, 9										1.8	3.8
Γ	ESE	. 5	. 3	. 1									8	4.1
_	SE	ç	, 5	.0									1.5	3.4
[	SSE	. 4	.3	. 4									1.4	4.9 5.5
	\$	1.2	1.9	1.1	. 2								4.4	5.5
	ssw	. 8	1.9	2.8	. 9	. 2							6.5	7.6
	sw	1,1	3.0	2.8	. 7								7.7	6.7
L	wsw	. 5	. 8	.4	. 3								2.2	6.2
	w	4	.7	. 3	1					<u> </u>			1.5	3.4
L	WNW	। ।	. 5	. 4	زنو				<u> </u>	<u> </u>			1.8	4.6
_	NW	1,5	2.01	9						<u> </u>			4.4	4.7
	NNW	1.9	4,4	1.6	. Q					<u></u>			7.9	4.9
L	VARBL		اا							L				
	CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	>>	$\geq \leq$	$\geq \leq$	$\geq \leq$	><	20.0	
Ī		23.8	37.9	14.9	3.0	. 3							100.0	4.1

USAFETAC  $\frac{fORM}{JR...64}$  G-8-5 (OL-A) previous editions of this form are desolete

WE 94 0-0-2 (AC-W) PERSONS ENLIGHES OF THIS FORM WE OBSOLLI

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1	LUKE	AFB A	RIZONA.	/PHOEN	IX		42	-46,51	<del>-72</del>	EARS	<del></del>			APR
		_				ALL W	EATHER	<del></del>						0-0800 ((£₹.)
		<u>-</u> -				ÇON	DITION							
	SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
	N	7.2	12.3	2.3	.3	• 0							22.3	4.7
- 1	NNE	2.7	3.7	. 8	.6	•2						ii	8.0	5,3
	NE	2.9	2,3	.5	• 0							1	5,8	4.1
1	ENE	1.2		.2									2.2	3,7
	E	2,4	1.2	. 2							<del> </del>		3.7	3.4
1	ESE	.7	.3	.2	•0								1.3	4.3
i	\$E	.8		, 3	.0								1.8	4.4
- 1	SSE	, 5	.5	.0	.0	.0					i		1.1	5.0
	S	. 9	1.1	1.2	. 2								3.4	5.8
	SSW	1,0		2.2	1.1								5.8	7.3
	sw	1.0		2,6		. 1							6.6	7.5
	WSW	,4	,6	5	, 2	, 1							1.8	6.9
	w	. 4	, 5		. 3								1.4	6.3
	WNW	.4		2	. 1								1.2	5.1
	NW	1.4		. 3	3		• 0				·		3,6	5,2
	NNW	1,9	4,1	1.2	. 2								7.4	4.9
	VARBL													
	CALM		$\geq <$	$\geq <$	><	><	><	><	><	$\geq <$			22.7	
		1												

TOTAL NUMBER OF OBSERVATIONS 2366

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LUKE	AFB AF	ALZONA/	PHOEN	t x		42:	46,51	<del>72</del>	(EARS	<del></del>	,·**** · <u>·</u>		A F
					ALL XI	ATHER						090 8008	0
	_				CONI	DITION	· · · · · · · · · · · · · · · · · · ·			<del></del>			
SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	2? - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	
N	1.3	1.1	.8	. 2	. 1							3.5	İ
NNE	.6	1.0	.5	۰,5	. 3	.0				i	ii	2,9	Ī
NE	2,1	2.7	. 5	.3						i		5.5	İ
ENE	2,0	1.7	. 9					i				4.3	Ì
ε	4.4	5,3	1.9	. 3 . 5						<del> </del>		12.0	
ESE	1.6	2.7	.7	.1						<del>                                     </del>		5.2	
^F	2.3	3.6	1.0	. 2					I			7.0	
SSE	1.1	1.3	. 4									3.3	
S	2,1	2.9	1.3	1.1	0							7.5	
ssw	1.0	2.2	3.0	2.7	. 3	. 1						9.3	
sw	1,4	2.2	2.4	3.2	. 6							9.9	ļ
wsw	. 4	. 7	. 5	1.0	, 4							3.0	ĺ
w	.7	.5	. 2	. 3	1							1,8	
WNW	٥,	3	1	. 3	.0	.0		<u> </u>				1.1	ļ
NW	- 4	3	.3	. 2.	.0					<u> </u>		1.2	ı
NNW	3	4	1	1								. 3	į
VARBL								<u> </u>					J
CALM	$\geq <$	$\geq <$	$\geq \leq$	><	><	$\geq \leq$	$\geq \leq$					21.1	١
	22.0	29.2	14.5	10.9	2.0	.3						100.0	í

USAFETAC FORM ARE 0-8-5 (OL-A; PREVIOUS EDITIONS OF THIS FORM ARE 0850LETE

TOTAL NUMBER OF OBSERVATIONS

1

2365

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23111 STATION	LUKE	AFE	ARIZENA		ΙX		42	-46,51						AFR
STATION			STATIO				EATHER			TARS	<del></del>		1200	)=1400 s (L S.T.)
						coi	NDITION							
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N		.0 .7	.3									2,1	4,3
ľ	NNE	il a	3 4	1 .31	. 1	İ	1	l	:	İ	i		1 1.2	6.2

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	•7	.3						i			2,1	4,3
NNE	.3	. 4	.3									1.2	6,2
NE	. 8	1,2	.7	.3					Î .			3,0	5.6
ENE	. 5	, 9	. 5	. 1								2.0	5.4
E	1.6	1,9	1.2	. 3								5.1	5.5
ESE	1,0	1.6	1.4	. 2	.0		<u> </u>					4.3	6.0
SE	2,5	3,6	1,7	. 1	,0							7.9	
SSE	, 61		1.1	. 3	0			<u> </u>	<u> </u>			4.9	5.8
S	2.1	5,5	4.0	1.7				!				13.5	6.5
SSW	. 8	3,6	4.8	3.6	. 8	• 2			<u> </u> .			13.8	9,4
sw	1.4	4.4	5.2	4.1	1,3				<u> </u>	!	L	15.9	9.5
wsw	.5	1.5		1.5		2	0	<u> </u>	<u> </u>	,	<u> </u>	6.7	9.8
W	3	1.1	1.3		,2	0			<u> </u>	<u> </u>		4.0	
WNW	. 5	5	5	6	. 3		<u> </u>		<u> </u>		<u> </u>	2,2	
NW	5	. 6		ļ			ļ	ļ		<u> </u>		1.5	4.6
NNW	.3	4		1				ļ				. 8	4.5
VARBL							Ļ	Ļ,	<u></u>	<u></u>	Ļ,	<u> </u>	
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	> <	$\geq \leq$	$\geq \leq$	$\geq \leq$		$\geq \leq$	$\geq \leq$	10.2	
	15.9	30.5	25.5	13.7	3,3	. 8						100.0	6.7

TOTAL NUMBER	OF	OBSERVATIONS	224	
I W I I I I I I I I I I I I I I I I I I	•••		224	

4 16

DATA PROCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LUKE	AFB A	RIZONA	/PHOEN	I X		42	46,51	-72					APR
		STATION	MAME					1	EARS				ONTH
		<del></del>			ALL FI	EATHER						1500	0-1700
					C.	A55						MODE	) (E S T.)
	_				CON	DITION		<del>-</del>					
												n	~ <del></del>
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	<b>%</b>	MEAN WIND SPEED
N	.0	1.0	3	1	.0							2.C	5,3
NNE	. 3	. 3	. 3	. 1								1.1	5.3
NE	.3	. 6	. 5	ن	, Ç	_•0						1.5	6.6
ENE	.1	. 5	. 2	٥						i		. 8	5.9
Ε	1,2	1.5	6	· Ú								3.3	4.8
ESE	. 2	5	. 4									1.1	5.8
SE	1.1	1.5	1.0	•0								3.6	
SSE	.6		. 8	1								2.9	5.6
5	1.6	4.0	5.4	2.2	.4				<del></del>	i — —		13.5	7.7
SSW	. 8	2.8	5.9	5.2	1.0	1		- 0				15.7	10.1
sw	1.3	4.1	7.5	6.8	1.8	. 8	.1			Ì		22.5	10.5
wsw	.6		3.9	4.0	1.4	• 3	.0					12.?	11.0
W	. 8	1.3	2.0	2.2	. 3	.0				i		6.5	9.1
WNW	.3	.5	. 6	. 9	. 3	.1				i — —		2.7	10.6
NW	. 7	.6	.5		.1	• 1			- <del></del>			2.4	7.9
NNW	4	.1	. 3	. 2						<del> </del>		1.0	6.1
VARBL											·		
CALM		$\times$	>>	$\geq$	$\times$	$\geq \leq$	$\boxtimes$	$\geq$	$\geq$			6.9	
	10.0	22 7	30.1	22 2	* 2	1	,					100 0	0 4

TOTAL NUMBER OF OBSERVATIONS 2362

USAFE. ,  $_{\rm SUL~64}^{\rm FORM}$  0-8-5 (OL-A) previous editions of this form are obsolete

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### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23111 STATION	LUKE	AFB AF	RIZONA	PHUEN	IX		42	-46,51	<del>-7</del> 2	ri ARS	<del></del>			PR
•		_				ALL WI	EATHER						1800 Hours	=2000 (L.s.T.)
						сон	DITION				<del>_</del>			
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥55	*	MEAN WIND SPEED
	N	1,1	1.0	.3	2	.0				<del> </del>	<del> </del>	<u> </u>	2.8	5.3
,	NNE	.4	, 3	3 3	.2								1.2	5,3 6,3
	NE	.0	. 6	. 3					i	†	1	ii	1.7	5,4
	ENE	اق	. 4	. 2	.0				i		1		, 5	5.2
	E	.5	. 7	. 2	. ()				i	<del>                                     </del>	1		1.4	5,2 4,8
	ESE	. 4	3	.0	.1								,9	5.1
	SE	. 7	. 8	2.	. 1	.0	.0			T			1.8	5.5
	SSE	. 5	8	. 3	ں و								1.6	4.8
	S	2,6	5.2	2.8	.7		• 2						11.4	6.0
	55\ <del>/</del>	1.4	5.4	6.0	2,4	. 5	, 3						16.0	8.0
	sw	2.6	5.8	7.7	4.7	9,9	1 .1			l			22.0	8.5
	wsw	. 8	3.5	3.6	2,6	.7	. 2						11.3	8.5
	w	, 9	3.1	2.0	1.1	. 3			<u> </u>	<u> </u>			7.5	7.2
	WNW	. 5	9	1.3	8.	3	0	<u> </u>	<u> </u>	<u> </u>	<u> </u>		3.8	8.5
	NW	8	1.1	8	3	1				<u> </u>	<u> </u>		3,1	6,2
	HNW	3	. 6	. 3	1	Q			<u> </u>	<u> </u>			1.3	6.0
	VARBL	ļ,		·					<u></u>	Ļ	Ļ,			
	CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		$\geq \leq$	$\geq \leq$	$\geq \leq$	11.5	
		14.5	30.6	26.3	13.5	2.9	.7					1	100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	LUKE	E AFB AF	A I Z ON A .	PHOEN	IX		42	46,51	<del>-</del> 72	EARS			. <u> </u>	PR.
						ALL M	EATHER						2100 HOURS	0≠2300 ((11)
		_				СОН	DITION		,					
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
	N	3,2	4.7	1.9	, 2								10.0	4.8
	NNE	1.0	1,3	, 3	, 2 , 2								2,7	4.8 4.7
	NE	1.3	1.0	. 4	. 1								2.7	4.6
	ENE	. 5	- 4	1									1.0	4.0
	E	.9	. 7	2	.0								1.8	4.0
	ESE	. 4	- 4	1									1.0	5,4
	SE	.6	. 3	- 2	.0								1.2	4.6
	SSE	.6	5	1									1.2	3.8
	s	1.4	2.6	1.1	5	0.	0						5.7	6.0
	ssw	1.1	2.9	2.9		1							8.1	7.2
	sw	2.2	6.5	6.3	2.7	. 5						<u>                                     </u>	18,2	7.5
	WSW	1.1	2.0	1.9	1.0	2						l	6.2	7.2
	w	1.8	2.8	8	4		<u>•</u> 2		<u> </u>				5.8	5.4
	WNW	- 5		8	. 3								3.6	5.8
	NW	1 4	2.5	1.6	. 7	0					<u></u>		6.3	6.1
	NNW	1.5	3.2	1.3	1								6.1	5.2
	VARBL								L		<u> </u>	<u> </u>		
	CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	18.2	
		19.8	33.3	20.1	7.4	1.0	. 2						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 2369

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

<u>1</u>	LUKE	AFB AF	RIZONA	PHOEN	IX		421	46,51	-72	(EATS				AY ONTH
		_			<del></del>	ALL h	EATHER		·····				0000	0=0200
						коэ	DITION							
	SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N	3.2	6.7	2,0	.2					<del></del>	\		12,1	4,9
	NNE	1.6	2.1	7	ن	, C			<u> </u>		ii	i	4.4	4.8
	NE	1.7	2.1	. 3	.1						i ——		4.2	4.3
	ENE	.4	1.3	. 4	, Q				<u> </u>	i			2.1	5.0
	E	9	. 9	Ų.				<del></del>					1.8	5.0 3.5
	ESE	. 4	. 4	· U					i	<del> </del>			9	3.7
	SE	8	9	.3	.0							1	2.0	4.7
	SSE	, 6	7	1	. 1								1.5	4.8
	S	2,5	3.5	1.7	. 3								8.0	5.1
	ssw	1.4	4.1	>.2	1.7								12.4	7.3
	sw	2.4	5.2	B. 4	2.9	1	-1						19.1	7.6
	wsw	. 5	1.7	1.7	5								4.5	6.9
į	w	- 5	1.1	5	. 2						ll		2.5	3.2
	WNW	3	. 4		2						<u> </u>		- 3	6.1
ĺ	NW	1.3	1.4	. 9	.2				<u> </u>				3.8	3.5 5.7
	NNW	. 9	1.6	1.2	1				<u> </u>	<u></u>	<u> i</u>		3.7	5.7
	VARBL								<u> </u>	L				
	CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	15.9	
		19.8	33.9	23.6	6.6	. 2	1						100.0	5.1
										TOTAL NU	ABER OF OBS	ERVATIONS		2500

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**'** 

4 16

DATA PROCESSING RRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

MAY	_			Als .		<u>-72</u>	46,51	42		X	PHOEN	LIZCINA/	AFB AF	LUKE
031)0=050 HOURS (L.S.T.)				· · · · · · · · · · · · · · · · · · ·			··········	ATHER	ALL X			8141104	-	
			<del></del>					TICX	CONI		<del></del>		_	
MEAN WIND SPEED		≥56	48 - 55	41 - 47	40	34	28 - 33	22 - 27	17 - 21	11 - 16	7 - 10	4-6	1 - 3	SPEED (KNTS) DIR.
9.0 4								.0	.0	.1	2.6	9.3	6.9	N
5.1 4.								• 0		i	. 41	2.3	2,2	NNE
4.8 4.										, C	. 4	2.0	2,4	NE
2.0 4.											, 2	. 9	, 병	ENE
2.2 4.											. 3	1.0	.9	Ε
1.0 3						<u> </u>					1	. 4	. 5	ESE
1.4 3.	_					_					1	-6	.7	SE
1.0 3.			l	l	.	<u> </u>					- 2	2	, 6	SSE
6.9 5	<u> </u>					<u> </u>				. 3	1.8	2.9	1.9	S
7.9 7.	<u> </u>					<u> </u>				1.0	3.1	2.4	1.2	ssw
1.4 6.	<u> </u>					<u> </u>			1	. 8	4.4	4.2	1.9	SW
2.4 5.	<b>!</b>					<del> </del>				2	. 6	ان و	6	wsw
1.3 4.	<b>!</b>					<del> </del>					4	6	. 7	w
1.3 4	#—					ļ					2	- 5	. 6	WNW
4.1 4.	<b>  </b>					<del> </del>				2	4	1.6	2.0	NW
6.5 4.	<b>L.</b>					<del> </del>				1	1.1	3,4	1.9	NNW
	<b>!</b>				<u>_</u> _	<del> -</del> -						<		VARBL
1.2		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\leq$	2	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	>>	CALM
0.0 4	1							1	2	2.9	16.4	33.1	26,1	
249		ERVATIONS _	BER OF OBSI	TOTAL NUM										

USAFETAC  $_{
m JUL~64}^{
m FORM}$  0-8-5 (OL-A) previous editions of this form are obsolete

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2,3111 STATION	LUKE	AFB AF	RIZENA	PHOEN	I X		421	46,51		TEARS			. <u>}}</u>	YAY HTHO
					<del></del>	ALL WI	EATHER	<del></del>	<del></del>				0600	0800 (L.s.t.)
						сомі	DITION		-					
	SPEED (KNTS) DIR,	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
	N	6.6	9.4	2.8	. 2	.0					i		19.1	4.6
	NNE	3.0	3,3	5	. 2	, 2	• 1						7.2	4.9
	NE	5.0	2,6	. 5	. 2								8.3	3.7
	ENE	2.0	1.5	.1	. 1								3.7	3 .7
	E	2.8	1.9	.4	.1					i ——			5.3	3.9
	ESE	, 0	.7	.1									1.6	4.1
	SE	1.0	. 5	2	Ú						<u> </u>		1.7	3.7
	SSE	.5	.5	.0									1.0	3.7
	S	1.1	1.2	.7	. 1								3.C	4.9
	SSW	.7	1.3	2.8	1:4	.0							6.2	8.0
	sw	1.3	1.8	2,5	1.0	. 2	• 0						6.9	7.4
	wsw	.3	. 4	. 4	5.								1.3	6,9
	w_	. 6	.6	i									1.2	3.7
	WNW	Ó	. 2	1	0	.0							1.0	4.5
	NW	1.4	1.2	. 3	.1								3.0	4.2
	NNW	1.6	2.2	. 9	. 1								4.9	4.8
	VARSL													
	CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$>\!\!<$	$\times$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	24.6	
		29.3	29.4	12.4	3.7	. 4	. 1	-					100.0	3.7

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL NUMBER OF OBSERVATIONS 2494

## SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LUK	E AFB A	RIZONA	PHOEN!	IX		42	46,51		EARS			- i	AY
	_				ALL WI	EATHER	_					0900 Hours	) == 1, 1, 1 (1.5.7.
	-				сон	DITION							
SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEA WIN SPEI
н	.5	.7	.1	. Û	.0							1.6	4
NNE	.7	.3	. 4	.4	• C	• 0						1.9	- 6
NE	2,4	2.0	. 7	, 3	1							5.5	5
ENE	1.4		. 8	. 1	• 1					i		4,7	
E	4.3	4,5	1,2	.4	.0							10.4	4
ESE	1,9	2,2	1.0	. 4								5.5	
SE	3,3		1.3	, ]								8.5	
SSE	1.6		. 8	1								4.6	
s	3,3		2.1	6	C							10.9	!
ssw	1,8	2.8	3.8	1.9	, 2							10.4	
SW	2.2		3.4		. 3				ļ			11.0	
WSW	,6	- 4	6	5	0				<u> </u>			2.2	
w	- 8		2		0			ļ		ļ		1.6	
WNW	,4		3	1				ļ	<u> </u>	<b> </b> -		1.0	!
NW	4							<u> </u>	<u> </u>	ļ		. 8	{
NNW	.2	<u> </u>	1						<u> </u>	ļi		6	
VARBL	+				<del></del>		<del></del>	<del></del>	<del></del>				
CALM			$\geq \leq$		$\geq \leq$	$\geq \leq$	$\geq \leq$	!			$\geq \leq$	18.8	
	25.8	30.2	15.9	7.3	.9	• 0						100.0	4

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

BIII STATION	LUKE	AFB AF	RIZONA/	PF JEN	IX		42	46,51	<del>-</del> 72	YEARS			_ <del></del>	AY
						ALL W	EATHER				<del></del>		1200	)=1400
						CON	DITION							
	SPFED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N	.6	اء	3	, 1	.0							1.3	5,4
	NNE	.4	16.	- 1	.1	.0				1			1.1	5.5
	NE	.0	.7	. 6	. 1								2.0	5.7
	ENE	. 6	.7	5	3								2.2	6,5
	E	1,2	1.5	1,4	. 4					İ			4.6	6.1
	ESE	. 5	1,3	1.0	, 2	.0							3.1	6.5
	SE	1.5	3.6	1.7	-1					<u> </u>			6.9	5.4
	SSE	. 8	1.9	1.1	. 3	i							4.2	6.1
	S	2.6	5.0	4.6	1.4	1					<u> </u>		13.7	6.7
	SSW	1.2	3.5	5.7	3.4	. 4	٥	0					14.4	8.6
	sw	2.7	5.3	7.4	5.5	6				<u> </u>	<u> </u>		21.6	8.5
	wsw	- 9	2.4	3.0	1.8	2	1			ļ			5,4	8.4
	w	1.1	1.6	1.4	. 5						<u> </u>		4.8	8.4 6.5
	WNW	2	4	4	2					ļ			1.2	7.2
	NW	. 8		4	1	.0				Į			1.8	6.0
	NNW	. 3	2	0						ļ			. 5	4.1
	VARBL	k								Ļ			<b> </b>	
	CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	7.9	
		16.1	29.5	29.9	14.5	1.8	. 3	.0		<u> </u>			100.0	6.7
										TOTAL NU	MBER OF OBS	ERVATIONS		2407

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23111 STATION	LUKE	AFB A	RIZONA	PHUSNI	ΙX		42.	46,51	•72 •	EARS			<u>i</u> Y	1AY
		-				ALL ME	ATHER						1500 House	)=1700 (L\$.T.)
		-				CONI	DITION				<del></del>			
i	SPEED (KN1S) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
1	N	.2	.6	. 2							<del> </del>		1.0	5,1
	NNE	. 2	,1	. 2	-1						i		.7	6.4
-	NE	, 4	.5	- 4	.0	.0							1.4	5.6
	ENE	, 3	.4	.1	. 1								9	5.1
	£	. 5	.6	. 4	,1	.0							1.7	5.5
	ESE	, 4	. 5	.5	. 2	1		.0					1.7	7.2
	SE	. 6	1.0	1.0	.2	0							2.8	
	SSE	. 4		7	.0								2.21	5.8
	S	1.5		4.1	1.5	2					<u> </u>		10.5	7.4
	ssw	7	540	7.3	4.7	8							16.1	9.6
	SW	1,8	5.7	10,9	9.8	2.6	. 2				<u> </u>		31.1	10.0
	WSW	. 5	2.0	4.5	5.2	1.3	2	1			<u> </u>		13.6	11.0
	W	1.1	2.0	2.2	1.3	4					ļ		7.0	2.8
	WNW	2	- 4	6							<del> </del>		1,3	9.3
	NW	-4		5	3	1	0				<del> </del>		2.0	7.6
	NNW	- 2	2								<del> </del>		6	5.1
	CALM CALM			> <	$\geq \langle$	>	>	>	$\geq <$	$\geq$	$\geq$		4.9	
		9.7	21.5	33.6	24.2	5,7	14	1					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 269

USAFETAC  $\frac{\text{form}}{\text{pr. 64}}$  0-8-5 (OL-A) previous editions of 1.05 form are obsolved

A ways base to the same

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LUKE	AFB A	RIZONA	PHOEN	IX		42	<u>-46,51</u>	<del>-</del> 72	EARS				Y A Y
	_				ALL WI	EATHER ASS						1800 HOURS	) <del>-</del>
	-				сон	MOITION							
SPEED (KNTS) DIR,	1 - 3	4 - 6	7 - 10	11 - 16	i7 · 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	
N	.4	.6	. 3	, ,								1.4	
NNE	, Ċ	.3	. 1	. 1	.0						i	1.0	
NE	. 4	, 4	1		0							1.0	
ENE	.0	. 21	. 1	.1						1	Ī	. 4	
E	. 5	,3	. 2	Ú								1.0	
ESE	. 1	. 2	. 2	. 2								.6	
SE	9	, 5	- 4	3								2.0	
SSE	. 4	. 3	. 3			0						1.1	
S	1.7	2.8	2_1	, 5				<u> </u>		<u> </u>		7.2	L
ssw	1.1	4.4	5.6	2.7	4			<u> </u>				15.1	L
sw	2,4	7.5	11.7	7,5	1.9	.2		<u> </u>		<u> </u>		31.3	L
WSW	1.0	3.9	0.8	5.6	8			0		<u> </u>	ļ	13.1	L
w	1.1	3.5		- 9	3			<del> </del>		<u> </u>	ļ	8.6	L
WNW	- 4	1.2		3						<del> </del> -		2.5	_
NW	.3	4	4	4	1			<u> </u>		<del> </del>	<b> </b>	1.6	_
NNW		2	2		0					<del> </del> -	<b> </b> -	6	_
VARBL			<			<del></del>		<del></del>	$\leftarrow$	$\leftarrow$			_
CALM			$\geq \leq$		$\geq \leq$	>	$\geq \leq$		<u> </u>	$\geq \leq$		6.6	
	11.4	25.7	32.6	13.6	3.7	. 2		.0		<u> </u>		100.0	
									TOTAL NU	MBER OF OBS	SERVATIONS		

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23111 STATION	LUKE	AFB AF	AMELIZ	PHOEN	X	<del></del>	42	41251	-72	EASS	<u>-</u>		. <u> </u>	AY
		_			<del>.</del>	ALL ni	ATHER	<del></del>			<del></del>		2100 HOURS	)=2300 (L*T.)
		<del></del>				CON	DITION							
	SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	×	1,6	1.8	1.4	1							ii	4.9	5.3
	NNE	. 6	•7	. 2	.2	.0							1,8	5,7
	NE	. მ	.7	. 1	.1	.0							1.8	4.9
	ENE	.5	. 3	.1									, 91	4.1
	E	6	. 4	.2									1.3	4.1
	ESE	, 3	,1	1									. 6	4.3
	SE	. 6	. 4	.3		.0							1.3	5.4
	SSE	. 3	2	2									. 6	4.5
	S	1,7	2.0	1.1	,2	1							5,1	5.4
	SSW	2,0	3,5	4.3	1.4								11.2	7.0
	sw	3,2	7.4	11.4		2							24.8	7.5
	WSW	1,6	4.3	4.5	1.6	, 2						ļi	12.5	7.4
	w	1.9	5.9	1.9	. 2		.0						10.0	5,5
	WNW		1.7	. 7	2							!	3.1	5.7
	NW	1.3	1.2	1.2	.2	1	1						4.1	6.2
	мим	1.0	1.4	3	2								2.9	4.7
	VARBL										<u></u>			
	CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	13,1	
		17.6	32.U	28.3	o.s	. 8	.2						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 2494

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LUKI	AFB AF	RIZONA/	PHOEN	ΙX		42	-46,51	-72	YEARS			<u>`</u>	OKTH
	_				ALL WI	EATHER		·				0000 0000	=0200
	_				CON	DITION							
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 . 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
И	2,4	3.7	1.3	, 2			l	<u> </u>				7.6	4.9
NNE	1,2	1.2	.4	. 1					<u>†                                    </u>			3.1	4.2
NE	2.0	1.8	. 2				r	Γ				4.0	3.6
ENE	.5	.61	.0					i				1,2	2.6
E	1.4	, ಚ	5	. 0								2.7	4.4
ESE	. 4	.6	. 2	υ								1.2	4.9
SE	1,0	. 8	. 2	.0	.0					1		2.1	4.3
SSE	. 8	.6	1		,0							1.6	4.4
S	2,1	3.1	1.7	1								7.1	5.1
ssw	2.0	3.9	6.0	2.1	. 1	<u></u>						14.1	7.4
sw	2.2	5.3	9.0	3,7	, 2			<u> </u>	<u> </u>			20,4	7.9
wsw_	1.0	2.1	1.8	. 5	1		<u>i</u>			ļ		5,5	6.9
w	9	1.0	. 5				ļ		<u> </u>	<u> </u>		2.4	4.9
WNW	7	- 4	1				ļ	ļ		<u> </u>		1.2	3.7
NW	. 9		7				ļ	<u> </u>	ļ			3.3	5.1
MMM	1 6	1.3	5				ļ		ļ	ļ		2.6	5,3
VARBL							<del></del> _		<del></del>	<u> </u>			
CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		$\geq \leq$	<u>  &gt;&lt;                                   </u>		$\geq \leq$	19.8	
	20.4	20.1	23.1	7.0	. 5							100.0	4.0

2383 TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

		STATION	MAME		ALL m	EATHER		,	EARS			0300	<sup>0878</sup> 0≈050
					Ct	A55						NOUR	(L S.T.)
	_				CON	DITION				_			
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 2!	22 27	28 33	34 - 40	41 - 47	4ô - 55	≥>0	%	MEAI WINI SPEE
N	5,7	7.1	1.6	. 1.								14.4	4
NNE	1.9	2.3	3	. 1	.1							4.7	4
NE	2.9	1.6	.1		0			<del></del>			i	4.7	3
ENE	. ó	.5	, 1	, 1								1.3	4
E	1,1	1,1	0		. 0							2,4	4
ESE	. 3	4										8	4
SE	.9	. 6	1									1.6	3
53E	. 8	8.		.0								1.8	4
5	1.8	2.5	1.4	. 2					İ			5.8	
SSW	1,3	2.6	3.5	8				<u> </u>				8.3	6
sw	2.0	3,9	4.3	لمعلا					<u> </u>		<u> </u>	11.5	6
wsw	. 5	1.3	1.0	_,2				<u> </u>		ļ		3,0	6
w	1,5	1.1	3				ļ	ļ	ļ	<u> </u>		2.9	3
WNW	الأم أ	3	-0				<del></del>	<del> </del>	ļ	ļ	<del> </del>	1.4	
NW	2.4	1.8	4	<u></u>	- 0	<del></del>		<del> </del>	<del> </del>	<del> </del>	<del> </del>	4.7	
VARBL	2.2	2.9	8		<u></u>		<del> </del>	<del> </del>	<del> </del>	<del> </del>		6.0	4
CALM											$\overline{}$	24,9	
CALM												2497	
	27.0	30.9	14.1	2.2	. 3		L	L		<u> </u>		100.0	3
									TOTAL NU	ABER OF OB	SERVATIONS		23

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING "RANCH ETAC/USAF AIR WEATHER SERVICE/"AC

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LUKE	AFD Ai	RIZONA/	PHOEN	Χ		42	-46,51	-72	EARS				NU NTH
		<del></del>	<del></del>		ALL ni	ATHER	<del></del> _					0600 MOURS	)⇔0800 (L\$T.)
					соя	DITION	· <del>-</del>						
SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥;56	¥.	MEAN WIND JPSED
N	7.4	7.0	. 3							<del> </del>	<del> </del>	15.2	3.8
NNE	2,9	2.7	. 4	.3						<del> </del>	i	6.3	3.3 4.3 3.5
NE	4,9	2.2	3		. 3					<del> </del>		8.0	3.5
ENE	2,2	1.4	. 3									3.9	6 د
E	3.7	1.9	. 3	.1								6.0	3.5
ESE	1.2	.7	.1	_ • ∪								2.0	3.5
SE	1.5	1.2	.0							l		2.7	3.4
SSE	. 5	.6	.0	. 3								1.3	3.4 4.5
S	1.0	1.8	7	. 1								3.6	4.8
ssw	. 5	1.6	2.2	3								4.9	7.3
sw	1.4	1.9	2.4	. 4						<u> </u>		5.0	6.3
wsw	5	.3	6					<u> </u>		<u> </u>		1.4	5.8
<u> </u>	.5	. 5							ļ			1.3	4.4
WNW	.5									ļ		1.1	4.0
NW	1.6		3							ļ		1.3.1	3.8
NNW	2.3	2.2	3				ļ	<u> </u>	<u> </u>			5.0	4.2
VARBL	<b>_</b>	<u> </u>								Ļ			
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	28.4	
	32,4	28.5	9,0	1.7	.0							100.0	3.1

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USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LUKE	AFB AR	IZUNA/	PHOEN!	IX		42	46,51	<del>-7</del> 2	EARS				JUN
			<del></del>		ALL WI	ATHER			<del></del>			0900	) = 1 (L.s.)
					сон	ности				<del></del>			
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	ME WI SPI
N	1,0	, 5	.3	. 2								2.0	
NNE	. 3	.5	. 3	, v					i			1.0	
NE	1.7	1.7	.3									3.7	
ENE	1,1	1.6	.3	. ()	.0		1					3.1	
Ε	4.2	3.1	9	. 3						,		8.6	
ESE	2.0	2.1	.9	.1								5.0	
SE	3,6	3.9	1.3	1								8.9	
SSE	1.6	2.5	.7									5.0	
S	3,9	4.8	2.5									11.7	
ssw	1.8	3.9	3.5	1.8	. 0							11.0	
sw	2.7	3.8	3.4	1.7								11.6	
WSW	8	1.2	. 8	- 2								3.1	
w	1.0	6	3	1				<u> </u>				1.9	
WNW	.3	0	1				<u> </u>	<u> </u>	<u> </u>	<u> </u>		- 4	
NW	7	1	1	(که			<u> </u>	<u> </u>	<u> </u>	<u> </u>		1.0	
NNW	- 4						<u> </u>	<b> </b>	<u> </u>	ļ		7	
VARBL			إـــــا					Ļ	ļ	Ļ			
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	><	><	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	21.2	
	27.2	30.6	15.9	5.2	. 1							100.0	
									TOTAL NU	MBER OF OBS	ERVATIONS		2

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 1 10H	LUKE	AFE AF	AMOS IS	PHOEN	X		42	46,51	-72	EARS .			<u>}</u>	NU į
						ALL WE	- KTUED						1200	-1400
		_					ASS						HOURS	(L.\$.T.)
		_	····		<del></del>	CON	OITION							
		_												
,		,,										,	,	
١	SPEED											<b></b>		MEAN
l	(KNTS) DIR.	1.3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	WIND SPEED
١	N	.5	.3	. 1	.1								1.0	4.4
ł	NNE	,2	.3	.0						<del></del> -			.6	4.4
I	NE	4	.4	. 2						ļ			1.0	4.5
Ì	ENE	, 2	.4	. 3						<u> </u>			1.0	5.4
١	E	7	1.2	. 5	. 2				<del> </del>	<del> </del>	l		2.6	5.3
ĺ	ESE	.4	1.2	.7	.0								2.3	6.0
1	SE	2.3	2.9	1.3	.1		.01				i		6.8	5.1
]	SSE	.9	2.9	1.6	. 3								5.8	5.9
1	\$	2,5	5.2	5.2	1.3	. 1							14.4	6.6
1	ssw	1.5	5.0	6.4	2.9	. 1							15.9	7.8
I	sw	3,1	6.5	8.3	3.7	. 4	.0						22.2	7.5
ı	WSW	. 9	3.2	3.1	1.6	1							8.9	7.6
Į	w	1.0	2.4	1.4	- 4	.0							5.2	6.0
ı	WNW	4	. 5	. 2	.0								1.1	F. 2
1	NW	. 7	. 9	4	1				<u> </u>	<u> </u>	<u> </u>		2.0	5.0
	NNW	.2	٤,	0	.0								20	4.9
	VARBL	ļ						<del></del>	<u></u>	<u></u>	<u> </u>	<u> </u>		
	CALM	$\geq \leq$	><	$\geq \leq$	><	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	8.7	
1		16.1	32 4	30 0	10 7	, Β	,						100 0	4 2

TOTAL NUMBER OF OSSERVATIONS 2382

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	AFB AF	STATION	HANE		414		46,51	,	EARS				JUN
	_	<del></del>		<del></del>	ALL Y	EATHER LASS				<del></del>		1500	) = 1.7 ( (L 1 T.)
					CON	DITION				<del></del>			
SPEED		4.6								 		<u> </u>	MEAN
(KNTS) DIR.	1 - 3	4.0	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	SPEEC
N	.4	. 5	. 1	.0								1.0	4.
NNE	, 2	.1	.0	,1								4	6
NE	3		1									. 7	4
ENE	. 1	Ò	. 2	. 2								5	9
E	4	- 4	1	· O								9	4
ESE	1		. 3	. 1								. 5	8
SE	6	.6	5	. 2								1.9	5
SSE	3	1.0	9			ļi			<u> </u>			2.3	6
5	1.3	3.7	4.2	2.1				<u> </u>				11.4	7
ssw	8		8.0	5.7	5				ļ. <u></u>	<u> </u>		17.9	9
SW	2,6	5.0	12.2	10.6	1.8	3		<b> </b>	ļ			33.0	9
WSW	. 5	2.4	5.2	4.5	. 8	•0		ļ				13.5	_10
W	6	1.9	3.6	1.9		•0			ļ			8.1	8
WNW	2	5	4	. 2								1.3	
NW	. 3	- 5	- 2		0			<u> </u>	ļ			1,2	6
NNW	.3	3		1					<del> </del>	<del> </del>		. 8	6
VARBL			<del></del>		<del></del>							<b> </b>	
CALM		$\sim$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq \leq$		$\geq$	$\geq \leq$	4,2	72-We
	8.8	20.9	36.2	26.0	3.4	4			<u> </u>			100.0	3
											ERVATIONS		

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23111 STATION	LUKE	AFB A	RIZONA	PHOEN	ΙX		42	46,51	•72	EARS			<u></u>	LIN
						ALL AL	EATHER		···				1800	)=2000
						ÇI	1488						AUUES	(6.3 1.)
		-				CON	DITION							
		_												
1	****	<b>.</b>							<del></del>			<u> </u>		MEAN
i	SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	WIND SPEED
	N	, 3	.2	. 2	.2	, 2	•0						1,1	9.4
	NNE	. 1	• 1	.2	. 1	• 2							, 7	10.4
	NE	.2	. 2		.0								. 4	5.1
	ENE	.0	1	. 1	٠,								. 3	7.4
	E	. 2	, 4	. 2	1	,0							9	6.4
	ESE	, 2	. 2	1		.0							. 5	5.9
	SE	. 4	.6	.2	. 0		.0						1.3	5.6
	SSE		. 3	2	1								9	5.2
	\$	1.4	2.5	2.3	. 8	1	.0	.0			<u> </u>		7.2	7.0
	SSW	. 8	3.9	6.7	4.3	. 3					<u> </u>		15.9	8.8
	SW	2.6	7.9	14,3	7.7	,9	. 2				Ĺ		33.7	8.7
	WSW	8	4.1	8.4	4.7	. 3		.0	ļ		<u> </u>		18.5	9.0
	w	1.1	3.9	3.9	1.0	1							10.1	6.9
	WNW	,2	.7	B	3	.0					[		2.0	7.4
	NW	. 4	.4	3	2								1.2	6.0
	NNW	. 3	, 2	-1	1	1		0			<u></u>		8	8.0
	VARSL	L				<u> </u>								
	CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		$\geq \leq$	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	4,6	
		9.2	25.8	38.0	19.5	2.2	.5				 		100.0	

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

3111 STATION	LUKE	AFS AS	RIZONA	HAME MANE	IX		426	-46,51.	<del>-72</del>	EARS	<del></del>	<del></del>	- <del></del>	ONTH
						ALL ME	EATHER						2100	×2300
						cr	A\$\$						HOURS	(L \$ Y.)
		-		<del></del> -		сон	DITION			<del></del>	<del></del>			
		_												
	<del></del>	· · · · · · · · · · · · · · · · · · ·	<del> </del>		<del></del>									
	SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
	N	1.4	1,3	. 6		.1							3,4	4,9
	NNE	.5	.5	.5	.1	• 1							1.7	6.5
	NE	,7	.3	. 2									1.2	3.9
	El.	1	. 3		.0								.6	5.5
	E	. 4	. 4	.1									1.0	4.3
	ESE	3	. 3	1	_,2	.0							.9	7.0
	SE	5	. 5	.4	1		0						1.6	6.3
	SSE	2	. 3	.1	. 1	0							. 8	5.8
	S	1.3	2.1	. 8	. 1								4.3	4.9
	ssw	1.2	3,4	4.4	2.1								11.2	7.6
	SW	3,8	7.9	11.7	4.1	. 5	.0						28.1	7.6
	WSW	2.0	5.2	4.4	1.8								13.4	6.6
		2.5	5,4	1.5	3	.0							9.6	5.0
	WNW	. 8	3	6	و					ļ			2.8	5.0
	NW	1.2	2.0	1.0	.1					<u> </u>			4.2	3.3
	WWW	. 8	. 8	2									1,8	4.0
	VARBL	<del></del>						<del></del>		<b>-</b>	k	<del></del>		
	CALM	$\geq \leq$	$\sim$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$				$\geq \leq$	13.6	
		17.7	32.0	26.5	9.1	1.0	. ;						100.0	5.4

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	E AFB AF	STATION	MAME				46,51.	<del></del> ,	EARS				HO.
					ALL MI	EATHER						COO	2
					C.	AES						ACCA	33
	-				cón	DITION							
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	
N	2.0	3.2	1.6	.2	• 1					<del> </del>		7.1	
NNE	. 8	1.5	. 5	. 1								2.9	
NE	2,3	1.4	.7	.3								4.7	
ENE	.7	1.0	.3	. 1					i			2.1	
E	1.7	2.1	1.0	.3			.0					5.2	
ESE	.6	.7	, 9	. 4	.1		.0		i			2.8	Ì
SE	1.6	1.6	1.0	, 5	. 1							4.7	
SSE	.6	7	7	0								2.1	
5	1.1	2.5	2.2	3	ن							6.2	
ssw	9	2.3	3.4	1.6	. 3							8.5	
sw	2,3	4.3	6.8	3.8	. 2	. 1	.0					17.5	
wsw	9	1.6	1.8	. 7		0				<u> </u>		5.2	
W	. 6	1.6	8	2	0					<u> </u>		3.5	
WNW	4	6	2						<u> </u>			1.3	
NW	1.5	1,3	9	2	C							3,8	
NNW	6	اقمنــــــــــــــــــــــــــــــــــــ	. 9	1					<u> </u>	<u> </u>		3.0	į
VARBL	<u> </u>								Ļ,	ļ	<u> </u>		-
CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	19.5	
	18.7	27.9	23.8	8.9	1.0	.2	. 1					100.0	1

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LUKE	AF8 AF	STATION	PHUEN.	!X	<del></del>		-46,51	-72	FEARS				JUL .
	_				ALL WE	ATHER						0300 MOVES	)=05 (L 1 T.)
					CON	DITION							
SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEA WINI SPEE
N	3,1	5.0	1,2	.1								9,5	4
NNE	1.9	1,8	.4	. 3								4.1	4
NE	3.0	2,6	.6									6.2	4
ENE	, 6	1,0	. 5									2.1	4
E	1,4	2,1	1.1	, 2								4.8	5
ESE	1.1	.6	3						l			2.0	3
\$E	1.4	1.0	2	. 2	1				<u> </u>	<u> </u>		2.8	5
SSE	6	1.0	2	0								1.7	
S	1.7	2.8	1,4	2					ļ			5.1	
ssw_	1.7	2.2	3.1	1.1	0							5.2	6
SW	2.3	3.5	4.4	1.8	- 2			<b> </b>	<del> </del>	ļ		12.3	
Wsw		1.2	6	.3	<u></u>				<del> </del>	<b></b>		2.9	
WNW	1.1	104	5		0				<del> </del>	<u> </u>		3.1	
NW	1.4	1.4	1 5					<u> </u>	<del> </del>	<del> </del>		3.3	4
NNW	1.7	2.3	6	.0					<del> </del>	<del> </del>		4.6	
VARBL									<del> </del>			7.6 9	
CALM	><	>	> <	$\times$	> <	> <	$\times$	> <	$\geq$	$\supset \subset$	> <	24.8	
	24.4	30.5	15.6	4.2	. 5						7 2 2 2 2 2	100.0	4

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LUKE	AFB A	A I ZONA	PHOEN	IX		42	46,51	-72	EARS				IUL IONTH
					ALL M	EATHER	<del> </del>					0600	080=0
	_				сон	DITION							
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEA WIN SPEE
N	4.5	5,2	1.6									11.4	4
NNE	2.1	1.7	5							<del> </del>		4.3	3
NE	4.0	2.9	.5									7.5	3
ENE	1.8	1.5	. 2									3.5	3
E	2.4	1.8	. 5	- 1								4.8	4
ESE	. 8	1.0	ó									2.4	4
SE	1.2	1.1	. 2									2.5	4
SSE	, 6	.7	1									1.5	4
5	1.9	2.2	1.1	. 1								5.3	5
ssw	. 7	1.8	2.6	1.0	1	0						6.3	7
sw	1.8	2.2	3.0	1.9	.0							8.9	7
wsw	8		1.0	. 4								3,3	6
	1.0	1.0	3	0								2,3	4
WNW		4	0.									1.0	3
NW	1.6	1.3	2									3,1	3
NNW	1.4	2.4	4	0			ļ					4.3	4
VARBL													
CALM	><	><	><	><	> <	> <	$\geq \leq$	$\geq \leq$	$\geq \leq$	><	><	27.8	
	27.2	28.3	12.9	3.7	.1	.0						100.0	

TOTAL NUMBER OF OBSERVATIONS 2492

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM APE OBSOLETE

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# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LUKI	AFB AF	A I Z DAA/	PHOEN	ΙX		42	-46,51	-72	TEARS				JUL IONTH
					ALL W	EATHER						0900	)=11: (LS 7.)
					CON	DITION							
SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAI WINI SPEEI
N	1.1	_1.6										3.1	
NNE	7	1.3	. 2						<del> </del>	<del></del>		2.2	4
NE NE	2.2	1.6	.4						<del> </del> -	<u> </u>		4.1	3
ENE	1.2	1.5	.3						<del> </del>			3.0	
E	2.0	3.3	1.2	. 5			<u> </u>		<del>                                     </del>			6.8	
ESE	.91	1.6	1.1	.3	.0				1			3.9	9
SE	2.4	2.4	1.2	.0			i					6.0	4
SSE	1.2	1.7	1.2									4.1	
S	2,3	4.0	2.7	.6								10.2	:
SSW	1.2	3.1	4.3	2.7	1							11.5	
sw	3,1	4.4	4.1	2.5	. 2		<u> </u>		<u> </u>			14.3	
wsw	1.5	1.3		4	1			<u> </u>	<u> </u>			4.4	
w	1.1	1.4	3		0		ļ	ļ				2.9	4
WNW	.5	.5	1				<b> </b>	<del> </del>	<u> </u>			1.1	
NW	.9	4		ايم ــــــــــــــــــــــــــــــــــــ				<del> </del>				1.4	
NNW	5	3		-0			<del> </del>	<del> </del>	<del> </del> -	<del> </del>		9	- 4
CALM		>	$\overline{}$		$\overline{\mathbf{x}}$		>>	$\sim$	$\sim$		$\sim$	20.2	
	23.0	30.9	18.5	7.0	.4							100.0	4
									TOTAL NU	ABER OF OBS	ERVATIONS		24

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ZZIII	LUKE	AFB A	RIZONA	PHOEN	IX		42	-46,51	-72	EAPS				JUL
						ALL Y	EATHER						1200	0=1400
		_				сом	DITION				<del></del>			
_														
	SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
l	N	. 5	.6	.3	.0								1.5	5.1
	NNE	.4	.5	.2	Ç								1.1	4.9
	NE	8	. 6	. 2	.0								1 . 8	4.6
Ī	ENE	. 1	. 6	. 2							1		. 8	5.3
Ī	_ E	1.2	1.4	. 8	. 2								3.6	5.3
	ESE	5	1.0	. 6	. 2						i		2.2	6.1
[	\$E	1.3	2.2	1.4	. 1						I		5.0	5.4
[	SSE	9	2.0	. 9	. 3	.0							4.2	5.7
{	5	2,1	6.2	6.0	1.5								15.8	6.6
	SSW	1.2	4.4	6.9	4.9	2							17.6	8.7
	sw	3,1	7.0	7.7	2.9	. 3	Q.						21.0	7.2
	WSW	1.0	3.2	2.2	. 5	.0					l		6.9	6.5
	w	let	2.5	9	1								5.1	5.0
	WNW	5	. 8	. 3									1.5	4.4
[	NW	. 4	8	. 4									1.6	5.1
	NNW	2	. 3	1									. 6	4.7
(	VARBL													
	CALM	$\geq \leq$	$\geq \leq$	>	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	9,7	
		15.7	34.3	28.5	10.8	.6	.0						100,0	6.0

TOTAL NUMBER OF OBSERVATIONS 2493

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LUKE	AFB AF	RIZONA/	PHOEN	X	42#45;51=72 YEARS								JUL MONTH	
		ALL WEATHER CLASS COMDITION											1500-170 HOURS (L.S.T.)	
SPEED (KNTS) DIR,	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEA WIN SPEE	
N	.4	.5	.4	. 2	• 1					<del>                                     </del>		1.5	6 9 4 7	
NNE	1	.2	.2	.2	• C				<del>                                     </del>	<del>                                     </del>		.7	9	
NE	.5	.6	.11						1			1.2	4	
ENE	.2	.2	.1	.1	.1			i				.7	•	
Ε	,4	.4	.4	.0	.0	•0				i		1.2		
ESE	. 2	. 4		. 1		i						1.0		
SE	. 8	1,1	1.0	. 2								3.2		
SSE	,6	1.2	1.2	. 2								3.2		
S	1,8	4.7	5.5	2.2	ن							1.2		
ssw	1,2	3,8	7.7	7,8	8	.0						. 4		
sw	2,5	5.5	11.7	6.7	. 8			<u> </u>	<u> </u>			37.1		
wsw	,6	1.9	4,4	2.3					<u> </u>			9.3		
w	1.2	2.1	2.4	1.0				ļ	<u> </u>	<u> </u>		6.6		
WNW	3	.6							<u> </u>	<u> </u>		1.2		
NW	- 4	. 8	4	2	.0							1.9		
NNW	. 2	- 4		.2	.0				ļ			. 8		
VARBL								<u> </u>	<del></del>	<del></del>		<b></b>		
CALM		><	><	><	$\geq \leq$	><	><		><	><	><	4.6		
	1			-					1	7.		7		

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL NUMBER OF OBSERVATIONS

2495

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNTS) DIR.	- - -					EATHER LASS				_		1800 Houss	)=200 (L.\$ T.)		
(KNTS)	_												(2.5)		
(KNTS)	_ _			·	CON	DITION									
(KNTS)	-					COMPLETION									
		<b>!</b>					<del></del>	<del></del>	<del></del>				MEAN		
DIK.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	SPEEC		
N	.4	. 6	. 8	.9	, 3	- 1	•0	-1		!		3.2	10		
NNE	1	. 3	6	6	. 3	. 2	- 1				i	2.1	13		
NE	.7	. 4	7	4	2						<u>i</u>	2.5	8		
ENE	. 4	.4	2	. 3	2						<u> </u>	1.6	9		
E	. 9	. 8	4	. 3	0	• 0						2.4	6		
ESE		7	. 4	1	2							_1.5	7		
SE	, 9	1.2	1.1	. 5			.0					3.7	6		
SSE	.3	1.0		. 3		.0		0			i	2.3			
s	2,1	3.9	3.:	. 8	1							10.0	6		
ssw	1.2	3.7	8.0	4.5	. 2	.0	C			<u> </u>		17.8	8		
sw	2.8	3,6	11.0	4.3	3		.0					24.2	5		
wsw	4	3.1	5.3	2.0	,0					<u> </u>		10.3	8		
w	.8	2.0	2.6	6	.0					L		501	7		
WNW	2			2						<u> </u>		1.5			
NW	5	6	. 6	- 4	1							2.2	7		
NNW	. 2	.3	. 4	2		<u> </u>				<u> </u>			8		
VARBL								<del></del>		]					
CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	6.5			
	12.2	25.2	36.4	16.4	2.1	. 7	. 2	-1			<u> </u>	100:0			

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LUK	E AFB	ARIZONA	PHOEN	t x		42,	46,51-	•72	TEARS			- <del></del>	UL,
					ALL M	ATHER		<u>.</u>		_		2100 HOURS	(L.s.T.)
					CON	DITION				<del></del>			
SPEED (KNTS) DIR,	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEEC
N	1.	1 1.7	1.3	.6	1				1			4.8	6
NNE		3 .5	.7	.6	, 3	• 0	.0					2.5	9
NE	1.	1.1	. 7	.6	,1	• 0						3.8	6
EHE	" .		. 4	. 1	.0							1.6	6
£		9	.6	.6	, 2							2.9	-7
ESE		5 ,5	.6	.4	.0	•1						2.2	
SE	-	8 1.5	1.9	. 8	, 2							5.1	7
SSE		3 5	. 8	.3	- 1					<u> </u>		2.0	_ 7
5	1.		1,3	.2	, 2	•0	. 0			ļ		5.0	6
ssw	4	2.8	3.0	1,3	,2	• 0						8.0	8
SW	2.		8.8	3.8	, 5	.2				ļ		21.8	8
WSW	1.		3.6							<u> </u>		10.8	
W	<del></del>		1.7	2	<u></u>	-0				<del> </del>		Bal	5
WHW	<u>  ·                                     </u>	9 1.8	1.1	.3	0	•0			<del> </del>	<del> </del>		2.7	
NNW		5 .8	. 4	.4		- 4			<del> </del>	<del> </del>		2.0	6 7
VARBL		2 0							<del> </del>	<del> </del>		CaV	
CALM		$\rightarrow$	>	$\sim$	>>	$\times$	>	> <	>>	>	$\times$	12,6	
	15.	30.2	27.3	11.5	2.6	. 5	1					100.0	6
									TOTAL NU	MBER OF OBS	ERVATIONS		24

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LUKE	AFB AF	VANOZ I S	PHOENI	<u> </u>		42	46,51	-71	I A A B			- <u>A</u>	UG
					ALL WE	ATHER	· <del></del>			_			)#0200 (L.s.r.)
	~				CONE	DITION							
SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	2.9	5.3	2,3	,3	, 1							10,9	5,2 5,3 4,8
NNE		1.8	, 8	. 2	. 1							4,2	5,3
NE	2.4	2.1	.7									5.4	4.8
ENE	8	9	.4	12									5.2
E	1,7	2.2	.7	.0	0	e Q						4.8	4.9
ESE		. 8	. 8	. 5	.0							2.8	6.8
SE	1.2	1.5	7!	.3	. 2	.01							6.5
	. 5		5			.0						1.8	6.1
S	1.7		1.2	•4		.0		<u> </u>		<u> </u>	<u> </u>	5,3	5.6
SSW	1.1		2.3	. 9								6.1	7.1
sw		3.4	5.1					<u> </u>		<u> </u>	ļ!		7.7
WSW		9	<u> </u>	.8	0			<u> </u>	<u> </u>				7.3
w		1.2	7							<u> </u>			5.2
	6		2					ļ			<u> </u>		5.8 5.2
				2		-0				ļ	<u> </u>		5,2
	1.1	1.5	8	اقعــــــــــــــــــــــــــــــــــــ				L			ļ	3.7	5.8
VARBL	<b></b>									Ļ		<b> </b> _	
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	23.2	
	SPEED (KNTS) DIR.  N NNE NE ENE E SSE SSW SW WSW WNW NW NNW VARBL	SPEED (KNTS) 1-3 DIR.  N 2.9 NNE 1.3 NE 2.4 ENE 8 E 1.7 ESE .7 SE 1.2 SSE .5 S 1.7 SSW 1.1 SW 2.1 WSW .8 W 1.0 WNW .6 NW 1.3 NNW 1.1	SPEED (KNTS) 1-3 4-6 DIR.  N 2.9 5.3 NNE 1.3 1.6 NE 2.4 2.1 ENE 8 9 9 E 1.7 2.2 ESE 7 8 SE 1.2 1.5 SSE 5 7 S 1.7 2.0 SSW 1.1 1.8 SW 2.1 3.4 WSW 8 9 W 1.0 1.2 WNW 8.6 7 NNW 1.3 1.7 NNW 1.1 1.5 VARBL	SPEED (KNTS) DIR.  N 2.9 5.3 2.3  NNE 1.3 1.6 8  NE 2.4 2.1 7  ENE 8 9 4  E 1.7 2.2 7  ESE 7 8 8  SE 1.2 1.5 7  SSE 2.7 5  S 1.7 2.0 1.2  SSW 1.1 1.8 2.3  SW 2.1 3.4 5.1  WSW 8 9 1.4  W 1.0 1.2 7  WNW 6 77 2  NWW 1.3 1.7 5  NNW 1.1 1.5 8	SPEED (KNTS) 1-3	SPEED (KNTS) DIR.  N 2.9 5.3 2.3 .3 .1 NNE 1.3 1.6 .8 .2 .1 NE 2.4 2.1 .7 .3 ENE 8 .9 .4 .2 E 1.7 2.2 .7 .0 .0 .0 ESE .7 .8 .8 .5 .0 SE 1.2 1.5 .7 .3 .2 SSE .5 .7 .5 .1 S .2 SSE .5 .7 .5 .1 S SW 2.1 3.4 5.1 2.4 .2 WSW .8 .9 1.4 5.1 2.4 .2 WSW .8 .9 1.4 5.1 2.4 .2 WSW .8 .9 1.4 5.1 2.4 .2 WSW .8 .9 1.4 5.1 2.4 .2 WSW .8 .9 1.4 5.1 2.4 .2 NW 1.3 1.7 .5 .2 .2 NW 1.3 1.7 .5 .2 .2 NWW 1.3 1.7 .5 .2 .2 NWW 1.3 1.7 .5 .2 .2 NWW 1.3 1.7 .5 .2 .2 NWW 1.3 1.7 .5 .2 .2 NWW 1.3 1.7 .5 .8 .3 .3 VAR8L	SPEED (KNTS) 1 · 3	SPEED (KNTS) DIR.  N 2.9 5.3 2.3 .3 .1  NNE 1.3 1.6 .8 .2 .1  NE 2.4 2.1 7  ENE 8 9 4  ENE 8 9 4  ENE 1.7 2.2 7  SE 1.2 1.5 7 3  SSE 1.2 1.5 7 3  SSE 1.2 1.5 7  SSE 1.7 2.0 1.2 4  SSW 2.1 3.4 5.1 2.4  WSW 8 9 1.4  WSW 8 9 1.4  WSW 8 9 1.4  WSW 8 9 9  WWW 6 7 2 2  NE 1.7 2.0 1.2 4  WNW 6 7 2 2  NE 1.7 2.0 1.2 4  WNW 6 7 2 2  WNW 6 7 2 2 0  NNW 1.3 1.7 5 2 0  NNW 1.3 1.7 5 2 0  NNW 1.3 1.7 5 2 0  NNW 1.3 1.7 5 2 0  NNW 1.3 1.7 5 2 0 0  NNW 1.3 1.7 5 2 0 0  NNW 1.3 1.7 5 2 0 0  NNW 1.3 1.7 5 2 0 0	SPEED (KNTS)	SPEED   1 - 3	SPEED   1-3	SPEED   1 - 3	SPEED   1-3

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL NUMBER OF OBSERVATIONS

2413

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23111 STATION	LUK	AFB A	RIZONA	/PHOEN	IX		42	46,51	<del>-71</del>	TEARS				UG ONTH
		-				ALL A	EATHER						U300	)=0500 (L.S.T.)
		-				сон	DITION							
	SPEED (KNTS) DIR.	1 · 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN W!ND SPEED
	N	4.3	7.7	1.9	.2								14.1	4.6
	NNE	1.9		- 4									4.1	4.0
	NE	3.4	2.1	.7	.1	!			<u> </u>		1		6.4	4.1
	ENE	. 8		.2									2.2	4.3
	E	1.9	1.7	. 5	.2				<del> </del>	i	·		4.4	4.8
	ESE	.7	.6	.4	.1				<del>                                     </del>				1.7	5.2
	SE	1.2	1.0		3	٥	O			1			2.8	5.4
	SSE	. 5	. 4	. 2	.0				1	ì ———	1		1.1	4.5
	\$	1,3	1.8	. 8	•1					1			4.0	5.1
	SSW	. 8		1.7	. 3	1							4.5	6.6
	SW	2.1	3.3			. 2							10.5	5.8
	wsw	. 7	9		_ 3								2,9	6.3
	W	8	.7										1.7	4.0
	WNW	. 4		1	.0								1.3	4.7
	NW	1.5	1.9	. 5									3.9	4.12
	NNW	1,6	3.2	- 6					<u> </u>				5.6	4.5
	VARBL				I									
	CALM		$\boxtimes$	$\geq$	$\geq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$		$\geq \leq$	28.7	
		24.2	30.6	13.2	2.9	. 3	. 0			]			100 0	3.4

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LUKE	AFB AF	RIZONA	PHOEN	I X		42	m46 <sub>9</sub> 51	-71	TEARS			- <u>- /</u>	UG
	_	<del></del>	, <del></del>	·	ALL W	ZATHER				_ <del>_</del>		0600 HOURS	)=080( ((.s.t.)
	<del>-</del>				сон	DITION							
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	6.1	8.2	1.5	•0		<del> </del>	<del></del>	<b></b>	<del>                                     </del>	<del> </del>		15.8	4.2
NHE	2.5	3.1	.6	.1			<del> </del>	<del> </del>	<del>                                     </del>	<del> </del>	<del>                                     </del>	5.2	4.2
NE	4.5	3.0	. 5							<b> </b>		8.0	3.6
ENE	1.3	1.5	. 1							<del> </del> -		2.9	3.9
E	2.1	1.7	. 5	.0			l		İ			4.4	4.3
ESE	1,2	1.0	. 4	.0								2.5	4.4
SÉ	1.7	1.0	. 6	.1								3 . 5	4.5
SSE	, 6	1.0	.2									1.8	4.5
S	1.8	1.3	. 5	.0								3.8	4.5
SSW	. 3	1.4	. 9	.4								3.0	6.8
sw	1.8	2.0	1.8	. 5	1		<u> </u>	<u> </u>	<u> </u>			6.3	6,4
WSW	5		. 3	3		<u> </u>			<u> </u>	<u> </u>		1.8	6.4
W	.7	1.0	2	.0				ļ			<u> </u>	2.1	4.6
WNW	, 5	7	2					ļ		<u> </u>		1.3	4.0
NW	1.8		3			<u> </u>	<u> </u>		ļ			3,5	3.9
NNW	1.2	2.6	. 6					<u> </u>	ļ	ļ		4.0	.4 .7
VARBL					Ļ		ļ	Ļ	ļ	Ļ	ļ		
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	28,4	
	28.5	31.9	9.3	1.7	. 2							100.0	3.3

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION .	LUKE	AF8 A	RIZONA	PHOEN	[X	<del></del>	421	46,51	<u>-71</u>	EARS				UG
						ALL WE	ATHER						0900	)=1100 (( \$.Y.)
						соні	DITION							
1 (	SPEED KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
<u> </u>	N	1.8	1.9	. 4	.1								4.2	4.1
<u> </u>	NNE	1.0		6	.1								2.5	4.0
	NE	2.7	2.7	. 5	1								6.0	4.2
	ENE	1.4	1.9	. 9	. 1								4.3	4.9
	E	3.8	5,1	1.4	. 2	.0							10.5	4.8
	ESE	1.9		1.1	3	.0							5.1	5.3
	SE	3.2		1,2		.0							8.0	4,8 5.1
	SSE	1.1	1.7	.7	1								3.7	5.1
	s	3,2	2.9	1.5	1	. 0							7.8	4.8
<u> </u>	ssw	1.0	2.5	2.4	6								6.5	6.6
<u> </u>	sw	1.9		3.1	1.2	1						<u> </u>	9.6	6.6
<u> </u>	wsw	- 9	9	7	. 3								2.8	5.8
ļ	w	1,3	7	. 3									2.5	4.5
_	WNW	5		1									. 9	3.7
_	NW	1.0											1.7	3.4
<del>-</del>	NNW	. 4	. 8	2									1.4	4.6
<u> </u>	/ARBL	<del></del>	<u></u>	رــــــــــــــــــــــــــــــــــــ				<del></del>						
	CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	22.7	
1	- 1	27.2	31.3	15.1	3.6	. 2							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LUKE	AFB AF	RIZONA	PHOEN	I X		421	46,51	<del>-71</del>	EARS				UG
	_				ALL W	ATHER				<del></del>		1200	)=140( (L.S.T.)
	_				сон	DITION							
SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	. 8	.2	•						i		2,3	4.2
NNE	. 3	.2	. 2	.0								.7	4,2 5,2
NE	1,1	1.2	,4	• 0								2,6	4,6
ENE	4	. 8	. 2	. 1								1.5	5.1
E	1.8	1.4	1.4	,3								5.0	5.7
ESE	.6	1.8	1.4	1								4.0	6.0
SE	1.9	2.6	1.9	,4	.0							6.9	5.8
SSE	1.0		1.4	.0				<u> </u>				5.2	5,3
\$	3,6	6.0	4.4	1.0						ļ		15.1	5.9 '7.3
SSW	1,4	3,4	3.9	1,6	.0							10.3	
SW	2,5		5,3	1.3		•0		<u> </u>				17.3	6.5
wsw	1.2	2.0	1,4	. 3	1			<b></b>	<u> </u>			5.0	6.0
W	1,9	2.7	1.4					<del> </del>	ļ			6.1	5.1
WNW	4	.5	4	0				<del> </del>	ļ	<del> </del>		1.4	5.1
NWW	1.1	1.2	.3	•() •1				<del> </del>	<b> </b>	<del> </del>		2.6	4.4
VARBL	ارز و	5	- 2					<del> </del>		<del> </del>		106	4:7
CALM	$\sim$		$\times$	>>	> <	> <	> <		$\geq$	$\supset \subset$	>>	12.6	
	21,1	35.7	24.6	5.7	. 3	• 0						100.0	5.2

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## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

111	LUKE	AFB AF	RIZONA	PHOEN	1X		42	46,51	-71	EARS			<u>#</u>	UG
)R			BTATION			ALL WI	EATHER							1700 (L S.T.)
						cı	A35						HOURS	(L \$.T )
		_				COM	DITION							
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N	.6	1.0	.4	.2	.0							2.2	5.7
Ì	NNE	.3	.3	.4	. 1	. 0							1.1	6.3
1	NE	.7	1.0	. 3	.1		•0		. 0				2.2	6.1
Į	ENE	.3	. 6	. 4					.0				1.3	6.2
	E	.7	. 9	. 4	. 1	.0							2.2	5.7
ı	E5E	.3	.7	. 6	. 2	1							1.8	7.2
Ì	SE	1.1	1.9	1.5				.0					4.7	6.0
	SSE	. 5	2.2	1.9	•7	0	.0						5.3	_7.1
Į	5	2.5	6.7	5,5	1.9								16.8	6.8
	SSW	1,2	3.6	7.0		. 3	1	Q.					16,8	9.1
	sw	2'.8	6.0	8.9	4.3	. 3	.0						22.4	8.0
	WSW	9	1.8	2.4	1.3	. 2							6.4	7.8
	W	1.7	1.9	1.2	. 5								5.3	5.7
ļ	WNW	2	7	2	1		0						1.3	6.5
İ	NW	. 5	7	. 2	4	. 2				ļ	l		1.9	7.4
ı	NNW	.2	4	. 3	1		0							<u>'7.6</u>
	CALM		>	>		> <	>>	> <	> <	> <		>	7'.3	
		14.5	30.3	31.5	14.6	1.4	.3	1	1				100.0	6.9

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

23111	LUKE	AFB AF	RIZONA	PHDEN	X		42.	46,51.	-71					AUG
STATION		_	STATION	HANE		ALL WE	ATHER		1	TEARS				онти ) <del>≈ 2 0 0 0</del> s (L.S.T.)
		_				KOS	DITION							
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
	N	. 8	1.3	1.1	.4	, 5	. 3	. 1		1	<u> </u>		4.5	9.7
	NNE	.3	, 5	. 3	1	. 5	. 2	.0					1.9	11.2
	NE	8	1.0	1.0	. 2	. 1	.2						3.3	7.5
	ENE	,3	.6	.4	.2	1	• 0	.0					1.8	8.9
	E	1,1	1.2	5	. 3	, 2	• 0						3.4	6.6
	ESE	. 3	. 9	. 6	• 2	• 0							2.1	6,8
	SE	1,6	1.7	1.4	. 5	,1							5.1	6.1
	SSE	1.0	1.3	1.1	. 2	.0							3.6	6.0
	· · ·	3,6	4.7	3.0	.7	.2							12.1	5.7
	SSW	1.4	4.4	6.5	2.3	,2		1		<u> </u>			14,9	7,9
	sw	3,6	5.7	7.1	3.4	.2							20.0	7,4
	WSW	.9	2.4	2.5	7	1					L		6.7	7.5
		. 8	1.9	8	5	.0							4.0	6.2
	WNW	2	.5	.5	. 2		.0						1.6	7.8
	NW	.6	5	7	7	2	- C						2.7	8.5
	NNW	.2	.4	4	. 3	1	1			<del> </del>	<u> </u>		1.6	9.5
	CALM		$\sim$		$\overline{}$	$\overline{}$		$\overline{}$	>	>		$\sim$	10.7	<del></del>
		17.6	29.0	27.5	11.0	2.6	1.0	.3					100.0	6,6

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE COSOCETE

TOTAL NUMBER OF OBSERVATIONS

(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23111 STATION	LUKE	AFB A	RIZONA	PHOEN	IX		42.	46,51	-71	YEARS			A	UG
		_				ALL M	EATHSR		<del></del> . <u></u>				2100 HOURS	#2300 (LET.)
						сон	DITION							
	SPEED (KNTS) DIR.	1 - 3	4 - 5	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N	1.7	2.9	1.7	•7	. 1				<u> </u>			7,2	6.2
	NNE	.7	1.1	. 8	. 5	.1	• 1	.0		i			3.4	7.8
	NE	1.5	1.5	1.2	.6		.1	.0					4.9	5.4
	ENE	.6	. 6	. 3	.0	.0							1.6	5.5
	E	1.2	1.6		. 3		• 0	.0					4.0	6.3
	ESE	. 3	, B	. 9	.6	1	. 1						2.9	8.6
	SE	1.2	1.9	1.1	. 5	. 2	.1	.0					5.0	7.3
	SSE	. 6	. 7	. 3	. 3	1	•						2.0	7.2
	S	2.2	2.2	1.1	. 6	.0	.0						6.2	5.8
	SSW	. 9	2.8	2.3	1.0	1							7.0	7.1
	sw	2,5	5.3	5.7	1.9	. 2	• 1						15.7	7.2
	WSW	1.2	1.9	2.7	. 7	. 2	ی ا				L		6.7	7.2
	w	1.6	2.5	1.2	3	0	L			<u> </u>	L		5.7	
	WNW		1.0	4	1	1	<u>.</u>			<u> </u>			2.4	5.8
	NW	9	1.7	8 .	3	2				<u> </u>			4.0	6.3
	NNW	.5	1.2	1.2	. 4	2				<u> </u>			3.6	7.6
	VARBL	ار	 							<u></u>				
	CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	17.9	
		18.3	29.8	22.4	8.9	_ 1.7	. 7	. 2					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

4 16

QATA PROCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23111 STATION	LUKE	AFB A	RIZONA	PHOEN	IX		42	-46,51	<del>-71</del>	YEARS			<u>s</u>	EP
		_				ALL W	EATHER			<del></del>			DCOO	=0200 (L.s.y.)
		_				CON	DITION							
	SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N	6,6	11.1	4.2	.2	.1			<del> </del>	<del> </del> -			22.3	5.0
	NNE	1.5	2.6		.3	.1			<del>                                     </del>	<del> </del>	i		5.6	5.5
	NE	_ 3.3	2.2	. 5	.1						!		6.2	4.1
	ENE	1.3	1.0		.0								2.7	3.9
	E	2.1	8	. 4	1				<del>                                     </del>				3.3	-4.1
	ESE	.4	.4		.1	• G	.0		T	T			1.4	6.5
	SE	6	.6	.3	.1	.0				<del>                                     </del>			1.6	5,6
	SSE	.6	. 5	.1		0	.1		1	1			1.3	5,7
	\$	1.3	1.5	.6		. 0							3.4	4.9
	SSW	.7	1.3	1.7	. 3	0							4.1	6.6
	SW	1.3	1.8	2.8	.7	1	0						6.8	7.2
	WSW	7	. 4	8	. 4					<u> </u>			2.3	6.7
	w	. 8	9	.4	.0	0							2.1	5.0
	WNW	3	. 3	3	<u> </u>		L		·	<u> </u>			. 9	5,3
	NW	1.4	1.6	.6	اکو ۔۔۔۔				<u> </u>				3,6	4.6
	NNW	1.6	3.4	1.3	.0		0			<u> </u>			6.4	5.2
	VARBL	Ļ					L	ļ		L	<u></u>			
	CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		$\geq \leq$	$\geq \leq$	$\geq \leq$	26.0	
	1	24.5	30.5	19.7	2.6	. 5	. 2	1	1	1	1 1		100 0	3.0

TOTAL NUMBER OF OSSERVATIONS 2338

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## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LUKE	AFB AF	RIZONA	PHOEN	<u> </u>		421	46,51	-71	YEARS				EP
					ALL W	EATHER						030E	0500 (L s.t.)
					COM	SITION							
SPEED (KNTS)	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND
DIR.										<u> </u>			SPEED
N	8,2	11.9	3.7	. 3				ļ	<u> </u>			24.1	4.6
NNE	2,4	2.6	- 9	. 1				<del> </del>	<del> </del>	ļ		6.0	
NE ENE	3.3	2.3	.3	8				ļ	<del> </del>			6.2	4_1
E	2.1	1.0						<del></del>	<del> </del>	<del> </del>		3.7	3.6
ESE	.1	4	- 1	.0				<del> </del>	<del> </del>			20/	5.6
SE	.6	.7		. 0	<del></del>			<del> </del>	<del> </del>	<del>                                     </del>		1.4	4.7
SSE	. 3	.6	1					<u> </u>				1:1	4.
<u>s</u>	1.3	1.0	.6						<u> </u>			2.8	4.5
SSW	.3	В	8	.2	.0							2.1	7.2
sw	1.1	1.0	1.1	. 3	. 1	.0						3.6	6.6
WSW	.4	. 3	5	2								1.4	6.6
w	6	. 9	2	0.								1.8	.4.7
WNW	.6	- 4	0							<b>!</b>		5.0	3,6
NW	1.7	1.8	.4					ļ	<del> </del> -			3,9	4.3
WMM	2.1	4.2	1.2	-0		-0		<u> </u>				7.5	4.9
VARBL								<b>-</b>	<del></del>	<b>_</b>			
CALM			$\geq \leq$	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	30.8	
	25.9	31.3	10.2	1.5	1	1						100.0	3.3
									TOTAL NU	MBER OF OBS	ERVATIONS		2335

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

		STATION			411			,	TEADS				ORTH
	<del></del>				Abb W	ATHER						0600 18 VOR	) () ( (L 5.1
	_				COM	D:T:ON				<del></del> -			
SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 · 47	48 - 55	≥56	%	ME WI SPI
N	8.7	12.9	3,4	. 2								25,2	
NNE	3.3	4.1	.7	• 4	•				i			8,6	
NE	4,7	2,4	. 8	. 1								8.C	
ENE	1.1	. 9	.4									2.4	
E	2,1	1.3	. 4	٥								3.9	
ESE	6	. 3										1.0	
SE	1.4	. 6	1	Q								2.2	
SSE	. 3	. 2	1									. 6	
5	.5	6	. 3						<u></u>	<u> </u>		1.4	
ssw	. 3	- 4	5		Li		L	<u> </u>	<u> </u>	L		1.2	
SW	.3	.5	5	. 3			<u> </u>					1.5	
wsw	. 2	. 31	1				<u> </u>					6	
w	- 4	.3			0			<b> </b>					
WNW	.4						ļ			<b> </b>		8	
NW	1,6	1.4	.3				ļ		ļ			3.2	
NNW	2.0	4.4	1.1	-0				ļ				7.5	
VARBL	ļļ		<u></u>				ļ		<u> </u>	Ļ			
CALM	$\geq \leq$	><	$\geq \leq$	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	31.3	
	27.8	30.9	8.8	1.2	1		1			I		100.0	

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

23111 LUKE AFO ARIZONA/PHOENIX 42=46,51=71

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNTS) 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 ≥56 %  N 2.1 2.0 .6 .1	LUKE	AFB AF	RIZONA	PHUEN	IX		42	-46,51	<del>-71</del>	EARS			- <del></del>	SEP
SPEED ((KNTS)						ALL vil	EATHER						0900	) <del>-</del> 1100
SPEED   1-3    4-6    7-10    11-16    17-21    22-27    28-33    34-40    41-47    48-55    ≥56    %						cı	ASS						HOUR	(LS T.)
(KNTS) DIR.     1 · 3			<del></del> - <u></u>		<del></del>	CONI	KOITIO				<del></del>			
(KNTS)   1 - 3	SPEED	<del></del>												MEAN
NNE   1.5   1.2   .9   .6   .0     4.2    NE   4.2   2.5   .6   .2     7.6    ENE   2.6   3.3   1.1   .2     7.2    E   4.7   6.4   2.8   .8   .1     14.7    ESE   1.8   2.7   2.1   .4     .5    SSE   3.7   2.4   1.8   .3     3     3    SSSE   .9   1.1   .6   .0     2.6    S   1.8   1.5   1.2   .2     4.6    SSW   4.4   1.1   .9   .3     3    WSW   .5   .2   .3   .1     4.6    WSW   .5   .2   .3   .1     1.2    WNY   .3   .2     .5    NW   .6   .3     .1    NNW   .5   .3     .1    VARBL     7   .7	(KNTS)	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	WIND SPEED
NE	N	2,1	2.0	.6	1								4.7	4.3
NE	NNE	1.5	1.2	9	6	. 0							4.2	6.0
E 4.7 6.4 2.8 .8 .1 14.7 ESE 1.8 2.7 2.1 .4 .5 .1	NE	4.2	2,5										7.6	4.1
E 4,7 6,4 2,8 8 ,1 14,7 ESE 1,8 2,7 2,1 4,4 6,9 SE 3,7 2,4 1,8 3 SE 3,7 2,4 1,8 3 SE 3,7 2,4 1,8 3 SE 3,7 2,4 1,1 4,4 5,5 1,2 2,5 SEW 1,2 1,4 1,4 5,5 1,1 SEW 1,2 1,4 1,4 5,5 1,1 SEW 1,2 1,4 1,4 5,5 1,1 SEW 1,2 1,4 1,4 5,5 1,1 SEW 1,2 1,4 1,4 5,5 1,1 SEW 1,2 1,4 1,4 5,5 1,1 SEW 1,2 1,4 1,4 5,5 1,1 SEW 1,2 1,4 1,4 5,5 1,1 SEW 1,2 1,4 1,4 5,5 1,1 SEW 1,2 1,4 1,4 5,5 1,1 SEW 1,2 1,4 1,4 1,4 5,5 1,1 SEW 1,2 1,4 1,4 1,4 5,5 1,1 SEW 1,2 1,4 1,4 1,4 5,5 1,1 SEW 1,2 1,4 1,4 1,4 1,4 1,4 1,4 1,4 1,4 1,4 1,4	ENE	2.6	3.3	1.1	.2								7.2	4.8
ESE	Ε	4.7	6.4		. 8	.1							14:7	5.3
SE     3,7     2,4     1,8     ,3       SSE     ,9     1,1     ,6     ,0       S     1,8     1,5     1,2     ,2       SSW     4     1,1     ,9     ,3       SW     1,2     1,4     1,4     ,5     ,1       WSW     ,5     ,2     ,3     ,1       WNW     ,7     ,3     ,1       WNW     ,3     ,2       NW     ,6     ,3       NNW     ,5     ,3       NNW     ,5     ,3       VARBL     ,7	ESE	1.8	2.7										6.9	5.8
SSE     .9     1.1     .6     .0       S     1.8     1.5     1.2     .2       SSW     .4     1.1     .9     .3       SW     1.2     1.4     1.4     .5     .1       WSW     .5     .2     .3     .1       W     .7     .3     .1     .2       WNW     .3     .2     .5       NW     .6     .3     .9       NNW     .5     .3     .7       VARBL     .7	SE	3.7			. 3								8.2	4.9
S     1,8     1,5     1,2     2       SSW     4     1,1     1,9     3     2,77       SW     1,2     1,4     1,4     5     ,1     4,6       WSW     5     ,2     ,3     ,1     1,2       W     ,7     ,3     ,1     1,2       WNW     ,3     ,2     ,5       NW     ,6     ,3     ,9       NNW     ,5     ,3     ,7       VARBL     ,7	SSE	.9	1.1	.6	.0								2.6	4.8
SW     1,2     1,4     1,4     ,5     ,1       WSW     ,5     ,2     ,3     ,1       W     ,7     ,3     ,1     ,1       WNW     ,3     ,2     ,5       NW     ,6     ,3     ,9       NNW     ,5     ,3     ,7       VARBL     ,7	S			1.2	, 2								4.6	5.0
WSW 5 2 3 1 1.2 W 7 3 1 1.2 WNW 3 2 2 5 NW 6 3 9 NNW 5 3 2 7 VARSL	ssw	. 4	1.1	9	. 3								2.7	6.6
WSW	sw	1,2	1.4	1.4	. 5	. 1							4.6	6.7
W .7 .3 .1	wsw	.5	. 2	. 3	1					İ				5.2
WNW 3 2 5 NW 6 3 9 NNW 5 3 3 7 VARSL 7	w	. 7	. 3	- 1									1.2	3.5
NNW .5 .3 .7	WNW	.3	.2										. 5	3.0
NNW .5 .3 .7	NW	.6	. 3										. 9	3.2
<del></del>	WMM	5	.3											2.9
	VARBL													
CALM 27,4	CALM	$\searrow$	X	><	$\times$	$\searrow$	$\mathbb{X}$	$\geq <$	><	$\geq \leq$	><	><	27.4	

SSAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL NUMBER OF OBSERVATIONS

2337

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23111 STATION	LUKE	AFR A	RIZONA	PHOEN	IX	<del></del>		S P ORTH						
		_		·		ALL H	EATHER						1200	)=1400 (LS.T.)
						CGR	DITION	<del></del>						
]	SPEED										— 		<del></del>	MEAN
	(KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	WIND SPEED
	N	1.1	9	. 4	.2		•0				i		2.7	5.3
	NNE	. 3	5	. 2	. 1	, Q	• 0				!		1.2	6.2
	94	1,2	1.2	. 4	. 3	.0							3.2	5.3
	ENE	1,1	1.0	. 6	. 2								3.0	5.4
	ε	2.5	3.4	3.0	.7	0							9.6	5.9
	ESE	1.2	3,2	2.5	_ ,5	, 1	•0						7.6	6.6
	SE	3.0	4.4	2.6	. 9	, 0			Í				10.9	5.8
	SSE	1.0	2.7	1.5	. 4								5.5	5.9
	S	3.3	3.9	2.8	. 4	1							10.5	5.6
	SSW	1.6	2.1	2.4	1.1	. 1							7.4	7.2
	sw	2.6	4.5	3.0	1.5	. 3							12.9	6.8
j	WSW	. 9	1.4	1.2	- 4	- 1							4.0	6.6
	W	1.5	1.2	7	. 2								3.6	5.0
·	WNW	2	. 6	2									. 9	4.7
	NW	9		2	.0								1.7	4.2
	NNW	5	. 2	1	.0								. 8	4.0
	VAREL													
	CALM		$\geq \leq$	> <	$\times$	>>	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq$	$\geq \leq$	14.7	
		22.9	31.7	22.7	7.1	.9	. 1		1				100.0	5.1

TOTAL NUMBER OF DESERVATIONS

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ION	LUKE	AFB AF	AZDNA/	PHOEN!	I X		42.	46,51	<del>-71</del>	YEARS			<u>\$</u>	EP
		-			<del></del>	ALL W	ATHER			<del></del>			1500 HOURS	=1700 (L\$.T.)
		_				сон	DITION							
	SPEED (KNTS) DIR,	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPED
Ī	N	1,1	. 9	,6	.3	, 1				<del>                                     </del>			3.1	6.0
Ţ	NNE	.4	. 4	3	.2	0				1			1.4	6.5
Γ	NE	1.1	. 9	.4	.1								2.5	4.8
Γ	ENE	.5	.6	8	.3								2.2	6,5
E	Ε	1,6	2.0	1.5	. 4	.0							5.6	5.9
E	ESE	1.0	1.0	1.0	.6	1							3.6	6.5
	SE	1,7	1.6	1.4	.4	1	.0	0					5.3	6.4
	SSE	. 6	1.8	. 9									3.4	5.6
	S	3.0	5.0	3.2	. 6	0				L			11.8	5.6
	SSW	1.4	4.0	4.6	2.5	1				<u> </u>			12.6	7.7
	sw	3,9	5.9	5.5	3.0	. 8	-0			<u> </u>	<u> </u>		19.2	7.5
	WSW	1.0	1.5	2.6	1.6	,2	0			<u> </u>			7.0	8,4
	w	1.7	2.5	1.7	7	1				ļ	ļ		6,6	_ 6.2
	WNW	5	6	. 2						ļ			1.4	4.9
	NW	4	8	2			0			ļ	ļ		1.5	5.5
Ļ	NNW	. 3		2		. 0				ļ	ļ		1.0	5.1
Ļ	VARBL									<del></del>			<b> </b>	
	CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\gg$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	11.7	
		20.3	30.2	25′.1	10.8	1.7	. 2	0					100.0	5.9
										TOTAL NU	MBER OF OBS	ERVATIONS		2724

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

<u>LUK</u>	E AFB AF	RIZONA	/PHOEN	IX		42	-40,51	-71	YEARS				FP PHTH
	_				ALL W	EATHER				<del></del>			=2000 (LS T.)
	_				COM	DITION							
SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1,2	1.7	7	.4	.0	•0						4,2	6,0
NNE	. 5	. 5	. 3	. 3								1.5	6,3
NE	1.0	1.2	5	.2	1	0						3.0	5.7
ENE	5	6	. 3	. 2					<u> </u>			1.6	5.7
E	1.7	1.6	. 5	. 3								4,1	5.0
ESE	4	. 6	6	. 3	0 و							2.0	7.6
SE	1.0	1.5	. 6	1	. 2	- 0						3,3	5,9
SSE	8	1.0			.0			<u> </u>	<u> </u>	<u> </u>		2,3	5.2
<u> </u>	2,6		1.2	. 2		Q		<u></u>				7.5	5.0
ssw	1.9	3.6	2.4	. 9	0					ļ		8.9	6.1
`sw_	3.3	6.0	4.9	1.5	. 2					Ļ		16.0	6,5
W\$W	1.6	1.9	1.8					<u> </u> .		ļ		6.0	6,1
W	2.1	3.3	1.6	- 2	1			<u> </u>	ļ	ļ		7,3	5.2
WNW	5	1.5	6	1				<u> </u>	<u> </u>	ļ		2,5	5.4
NW_	2.0		3	-2	0		0		<del> </del>	ļ		4.2	5.0
WMW	7	1.2	2	<b></b> _	.0			<del>`</del> -	ļ	<del> </del>		2.1	4.6
VARBL		<del></del>		<del></del>		<del></del>		<del></del>	<del></del>		<del></del>		
CALM		$\geq \leq$		$\geq \leq$			$\geq \leq$				$\geq \leq$	23.5	
	21.6	31.1	17.1	5.5	. 8	. 2	•0					1.00.0	4.4

TOTAL NUMBER OF OBSERVATIONS 2335

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LUKE	AFB AF	ANDE	PHOEN	<u> </u>		42.	46,51	-71	IEARS				SEP IONTH
					ALL WE	ATHER				<del></del>		2100 HOVE	)=23 (List
	_				CON	DITION							
SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	ME/ WIN
И	4.8	6.8	2.7	.5	0							14.8	!
NNE	1.8	2.0	.5	. 2	0		.0					4.5	
NE	2,3	1.6	.6	1		.0						4.6	
ENE	.6	8	3	1								1.8	
E	1,4	2.1	. 3	.2								3.0	
ESE	. 5	. 5	. 5	. 2		.0						1.7	
SE	.6	.7	. 5	. 3	1							2.1	
SSE	4		. 6	1	0	-0						1.8	
\$	1.2	_1,2	5	1					)	<u> </u>		3.0	
SSW	. 8	1.8	1.5	. 3	0	-0				<u>                                     </u>		4.6	
SW	2.1	3.3	3.6	1.0						<u> </u>		10.1	
WSW	8	1.2		3	0				ļ	<u> </u>		3.9	
w	9	2.3	8						<del> </del>		<u> </u>	4.1	
WNW	1.0	- 9	. 3	0	<u>.</u> 0				ļ	<del> </del>	ļ	2,3	
NW	1.8	2.4	1.2	.3	1				<del> </del>	ļ	<del> </del> -	5.8	
NNW	1.6	3.3	1.6						ļ	<del> </del>		6.7	
VARBL		<del></del>						<b>-</b>	<del></del>	<del></del>	<del></del>		
CALM		$> \leq$			$\geq \leq$	$\geq \leq$	$\geq \leq$					25.3	-
	22.5	30.4	17.0	4.0	.6	3	.0					100.0	
									TOTAL NU	MBER OF OBS	ERVATIONS		

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LUK	E AFB A	RIZONA	PHOEN:	<u> </u>		42	46,51	-71	EARS				OFT.
	_	<del></del>			ALL WI	ATHER						OOO	020
	-				CON	DITION							
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	.22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	9.1	16.6	6,5	.5								.12.7	5,
NNE	3.0	2.8	1.7	.5	.1							8.2	5,
NE	3.2		1.1	. 2								7.2	4,
ENE	.7		• 1									1.4	3.
E	1,2		. 1	.0								2.4	4.
ESE	. 3		0									.7	4.
SE	. 5											1.0	3.
SSE			.1									4	4.
S	, 9	1.1	5									2.5	4.
SSW	3	7	4									1.4	5
\$W_	.7		1.0	. 4					<u> </u>			3.1	6,
WSW	,2		4	2								1.8	.7
W	.6		2							<u> </u>		142	-4
WNW	. 3		2		.0								5
NW	1.2		2									3.1	4
NNW	2.4	3.9	1.4	2								8.3	
VARBL	<del></del>	ļ						Ļ	Ļ.,				
CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	24.9	
	24.8	33.9	14.0	2.2	. 1							100.6	3.

TOTAL NUMBER OF OBSERVATIONS 2415

## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

3111	LUKE	AFB AF	RIZONA/	PHOEN:	t X		42	-46,51	<del>471</del>	reads				CT
STATION		_	JIATION			ALL WI	ATHER							)=0500 (Ls 1.)
		_							<del></del> _					,
		_				CONI	DITION	<del> </del>		·· <del>-</del> · · · · ·	<del></del>			
	SPEED (KNTS) DIR.	1 - 3	4.6	7 • 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N	11,3	16.6	4,2	•6				T				32.7	4.7
	NNE	3,4	4.2	1.0	.4				1				9.0	4,5
	NE	3,4	2.8	1.4	.1					<u> </u>			7.7	4.6
	ENE	.9	. 3	. 5									1.6	4.4
	Ε	9	.7	.2	.0								1.8	4.2
	ESE	.3	.01										.4	2.9
	\$E	.2	1	.0									.4	4.0
	SSE	.2	i	. 1									.3	4.0
	S	. 8	اف	. 3									1.6	4.0
	ssw	. 5	4	2	.0	.0							1.2	5.2
	sw	. 4	. 8	. 8	- 2								2:2	6.5
	WsW	. 2	. 2	2									7	5.3
	lw	. 7	4	2					<u> </u>	<u> </u>			1.2	4.0
	WNW	2	3	. 0				<u> </u>	<u> </u>				5	.3.9
	NW	1.6	1.6	2	• Q			l	<u> </u>	<u> </u>			3.4	4.0
	NNW	2,3	4.1	1.1	. 0				<u> </u>				7.6	4.5
	VARBL		ì					L						
	CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		$\geq \leq$	27.7	
	L	27.3	33.2	10.4	1.5	.0		<u> </u>	<u></u>		<u></u>		100.0	3,3
										YOTAL NU	MBER OF OBS	ERVATIONS	-	2412

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE COSSOLETE

2413

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LUKE	AFB AF	A ZONA	PHOEN!	IX		42,	46,31	<u>∺71</u>	TEARS	<del></del>			JCT IONTH
	_				ALL WI	ATHER				_		0600	08(Ls T.)
	-				COM	DITION				<del></del>			
SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAI WINI SPEEI
N	10.5	13.9	4.0	.6	2							29.2	4
NNE	4.1	3.4	1.1	.2	.0	.1						9.1	4
NE	3,9	2.7	1.1	. 2								7.9	4
ENE	1.2	. 6	. 4									2.2	4.
Ę	1.5	В	. 4	.0								2.7	.4.
ESE	5	. 2	1	.0								. 8	4.
SE	. 3	. 4	1						L			8	.4
SSE	1	1	.0									. 2	. 5.
S	. 3	7	. 2						<u> </u>	<u> </u>		1.2	4.
ssw	. 2	2	4	2				<u> </u>	<u> </u>	ļ	<u> </u>	1.0	7.
sw	2	, 3	. 6	2								1,3	
W\$W	1	- 2	1					ļ		<u> </u>	ļ	5	
w	. 4									ļ		- 6	
WNW	. 3	2	0									5	3.
NW	1.6	1.2							ļ	ļ	ļ	2.9	3,
NNW	3.1	4.8	8	1					<b></b>		[	8.7	4.
VARBL								<del></del>		k			
CAIM	$\langle \langle \rangle \rangle$	$\geq \leq$	$\langle \langle$	$\geq \leq$	$\geq \leq$	$\langle \langle$	$\geq \leq$				$\geq \leq$	30.4	
	28.3	30.0	9.3	1.6	.2	. 1			]			100.0	3.

TOTAL NUMBER OF OBSERVATIONS 2414

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

€

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

_	LUKE	AFB AF	RIZONA,	PHOEN!	<u> </u>		420	46,31	<u> 71 </u>	IEARS				ONTH .
		_	<del></del>			ALL WI	EATHER	<del></del>			<del></del>		0900 HOURS	)=1100
						сон	DITION				<del></del>			
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
ľ	N	2,2	2.4	.6	.3	. 2	• 1	.0					5,9	567
ľ	NNE	2.0	1.5	1.0	.2	2 3							5.1	5.9
ľ	NE	4.1	2.6	1.3	. 5	.0							8.5	4.8
Ī	ENE	2.7	2,2	1,0	4	.0							6.3	4 8 4 9
ľ	E	6.4	5.8	2,7	. 8	•0							15.8	4.9
Ī	ESE	2.1	1.7	1.1	1						i		5.0	4.7
ĺ	SE	2.7	2.2	. 9	ان								5.9	4.3
[	SSE	1.0	, 9		•0								2.1	4,3 4.0
ĺ	\$	1.5	1.0	. 6	. 2								3.3	4.9
l	ssw	. 3	. 8	6	. 2	. 1							2.0	7.1
Į	sw	. 8	9	1.0	4	. 2				<u> </u>	<u>i</u>		3.2	7.1
Į	wsw	- 4	. 3	- 4		0							1,3	6.6
Į	w	4	. 2	. 1	1					<u> </u>			8	5.3
ļ	WNW	6	. 2	1	0					<u> </u>		<u> </u>	.7	4,6 5,8 3,8
l	NW		. 2	0	- 1		0			<u> </u>			7	5.8
Į	NNW	7	4							<u> </u>			1.2	3.8
ļ	VARBL	<u></u>								Ļ				
	CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	32.1	
ſ											1			

TOTAL NUMBER OF OBSERVATIONS

23111 LUKE AFB ARIZONA/PHOENIX

## SURFACE WINDS

OCT

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

42-40,51-71

I		STA	TION MAME						YEARS				IONTH
					ALL WI	EATHER			<del></del> -			1200	0-1400 (C.S.T.)
			<u> </u>										
				•	COK	DITION							
SPEI (KN) DII	TS) 1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		.7	5 .5	.2	.1			<u> </u>				2.0	6,6
ИИ	VE.	.7	5 4									1.9	6.3
N	E Î	2 1.	5 .7									3.6	5.3
EN	IE 1	, 1 1,	8 1.0	.2								4.1	5.6
Ε		3 5	1 3.1	7	. 0							12.3	5.7
ES	E 2	1 2.										7.7	5.9
SI				.4						1		10.2	3.4
SS	E 1	7 2.								<u> </u>		5.0	5.0
S		9 3		.2	.1			T				8.3	5.0
55	w 1	2 2.						1				6.0	6.6
SV		0 3			2	.0						8.5	6.3
Ws		.5	9 1.0		.1	• 0						3.2	7.6
W	/ 1		0 8	. 2	.0							3.2	5.4
WN			3 .1	.1	.1							1.0	6.6
N	w		3 .2	.1	.1						i	1.4	6.4
NN	w		2							1		.6	3.2
VAR	taL										i		
CA	IM >			$\supset$	$\times$	>>	$\geq$	$\geq$	$\supset \subset$	$\supset <$		21.0	
	23	0 20	0 10 2	я о	9	. 1						100 0	

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL NUMBER OF OBSERVATIONS

1

•

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	<u>LUK</u>	E AFB A	RIZONA	PHOEN	IX	<del></del> •	42	<u>46,51</u>	-71	YEARS	-~			CT ONTH
		_	<del></del>			ALL WI	EATHER			<del></del>			1500 HOVES	)+1700 (L.s.t.)
		 _				сон	CITION							
	SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
Γ	N	.6	. 9	. 5	. 2	.0							2.3	6
	NNE	. 5	. 3	. 2	1	.0							1.2	6.
[	NE	. 8	8	. 3	1								2.1	4.
	ENE	, 7	. 5	2	بَ م								1.4	4.
[	E	1.7	2.7	1.9	41								5.8	5.
[	ESE	1.0	1.5	1.0	.1	.0							3.7	5.
[	SE	2.0	2.7	1.5	0								6.3	5.
Į.	SSE	.7	1.5	. 5									2.9	5.
Į	5	4.C	4.6	2.5	. 4			<u></u>	<u> </u>	<u> </u>			11.4	5
	SSW	2.3	4.3	4.5	1.2	0		<u> </u>		<u> </u>			12.5	6,
1	SW	3.2	4.8	4.5	2.0	. 2		<u> </u>		<u> </u>			14.8	6
Į	wsw	1 1 1	1.7	7	9	1	(ئە		<u> </u>	<u> </u>			5,4	7.
1	w	1.3	1.9	1.0	5		0		ļ				4.9	6.
Ļ	WNW	. 5	اي ا	4		1	0	ļ	<u> </u>				1.7	6.
	NW	- 9	6	3	0	0		ļ	ļ				1,9	4.
	NNW	. 3	4	2	0			<u> </u>	<b> </b>				1.0	44
	VARBL					<del></del>		<del></del>	<del></del>	<del> </del>	<u> </u>		<u> </u>	
Į	CALM	$\geq \leq$	> <	> <	>>	$> \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$> \leq$	19.5	
ĺ		21.8	30.0	21.5	6.4	.7	.2						100.0	4.

2414 TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23111 STATION	LUKE	AFB AF	RIZONA	PHOEN:	IX		42	-46,51	<del>-71</del>	EARS				CT
		_				ALL WI	EATHER							=2000 (Ls.t.)
		-				сом	DITION				_			
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N	2,9	2,4	1.0	.1	• C							6.3	4.6
	NNE	. 8	.5	.2	. 1	С							1.5	4.8
	NE	1.0	7	. 6	2								2.5	5.5
	ENE	.6	.5	. 2	,0								. 4	4.6
	E	1.5	9	. 5	1								3.9	4.4
	ESE	5	. 2	. 2	.0								- 1	4.5
	SE	1.0	1.0	. 4								i	2.4	4.4
	SSE	ائ	. 3	. 2									1.1	4.1
	S	2.7	3.1	8	- 1								6.8	4.3
	SSW	1.5	2.7	1.5	.2								<b>2.</b> 9	5.3
_	sw	2,9	4.1	2.6	7				l		L	[i	1C,4	5.7
	wsw	1.6	2.4	1.2	2	1				<u> </u>			6	5.4
	w	2,4	3.0	- 9	1	.0					<u> </u>	<u> </u>	6.3	4.6
	WNW	1.1	2.0		4						<u> </u>	L	افونسا	5.1
	NW	2,5		.6		- 4	.0			<u> </u>	<u> </u>	L	6,3	4.8
	NNW	2.0	2.ģ	. 3							<u> </u>		5.0	4.2
	VARBL	L			L					L	ļ	L		
	CALM	$\geq \leq$	$\geq \leq$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\times$	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	30.4	
		25 6	20 5	3 1 12	2 1								*00 0	3 4

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1 2	LUKE	AFB A	AMELIE	PHOEN	X		42	<u>46,51</u>	-71	YEARS		·····		CT ONTH
•						ALL XI	EATHER							)=230 (LET.)
		_	<del></del>				PITION				<del></del>			
	SPEED (KNTS) DIR,	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
ĺ	N	6,3	13.4	7.0	. 5	.0							27.2	5.
Ī	NNE	2.1	3.2	1.5	.1	-1	.0						7.0	5.
[	NE	2.2	2.2	. 9	-1								5.3	4.
	ENE	4	.7	. 3	. 0								1.4	
	ε	. 7	. 9	. 5	.0								2.1	5.
- 1	ESE	. 4	5	.0	.1								1.0	5_
Į	SE	3	4	1	ا فعــــــــــــــــــــــــــــــــــــ	!			<u></u>	<u> </u>			9	4.
١	SSE	2	1	2	1					<u> </u>			. 7	6.
- 1	S	1.1	7		1				<u> </u>	<u> </u>			2.0	4,
Į	ssw	. 6	الكمال	7	2					ļ	ļ		2,4	6.
	SW	. 8		101	4	1			<u> </u>	ļ <u>.                                    </u>			3.9	6.
١	wsw	2	8	4	1					ļ	ļ		1.5	
- 1	w	. 6	1.0	4	2				<b> </b>	ļ			2.3	5.
ı	WNW	- 4	. 9	2					<del> </del>	ļ	ļ		1.6	
- 1	NW	1.5	2.7			0			<b> </b>	<del> </del>	<del> </del>		2.5	
- }	NNW	1.8	5.3	2.4	2	0			<del> </del>	<del> </del>			9,8	5.
	VARBL CALM			52			$\sim$	>>	$\sim$	>>		$\overline{}$	25.4	
		19.7	35.2	15.8	2.6	.4	.0		<u></u>	<b>/</b>			100.C	4.

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

<u>LUKE</u>	AFS AR	IZONA	PHOEN	IX		42	n40,51	<u>-71</u>	CARS .			<del>-</del>	VOV
					ALL W	EATHER							)=020 (Late)
	_					DITION							12
										<del></del>			
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	10.3	19.3	4.8	.6	. 1							35.2	4.
NNE	2.7	4.5	1.5	. 4	1			l		i		9.2	
NE .	2,3	3.4	1.0	.1				1		1		5.8	_4.
ENE	.6	. 5	. 1	.0			1					1.3	4.
ε	8	. 8	.1	.1	.0			1	i — —			1.8	4.
ESE	,3	. 2		.0						1		. 5	4, 4,
SE	. 4	. 1	.1					i				6	4.
SSE	.3	. 2										5	3
\$	. 5	.7	. 2									7.4	4.
SSW	, 2	.3	- 2	1					L			7	6.
sw	.7		7	2					ļ	L		2.0	6. 
wsw			0				<u> </u>	<u> </u>	<u> </u>			3	
w	4	- 2	0				ļ			<u> </u>		7	3.
WNW	.4	.3	1				<u> </u>	<u> </u>	<u> </u>			1.0	4.
NW	1.5	1.4	7	1			<u> </u>	ļ				3.7	4,
NNW	2,7	4.7	2,2				ļ	<del> </del>	ļ			9.6	5
VARBL	<b></b>						<del> </del>	<del></del>	<del></del>	<del></del>			
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	<u>&gt;&lt;</u>	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	24.7	
	24.2	37.1	11.8	2.0	.3							100.0	3,

TOTAL NUMBER OF OBSERVATIONS

- 231

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23111 STATION	LUKE	AFB A	RIZONA	PHOEN	IX.		42	46,51	-71	EARS		<del></del> -		OV
		_				ALL WE	ATHER						0300 HOURS	)≈050C (L.s.T.)
		_				сомі	DITION			······································	<del></del>			
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
r	N	12.0	17.7	4.1	.4	- 1	.0						34.3	4.6
Γ	NNE	3.6	4.1	2.1	. 4	.0							10.2	5.1
Γ	NE	2.5	2.6	. 8	.4								6.4	4.9
Ī	ENE	.7	.8	.3									1.7	4.1
Γ	Ε	. 9	.6	. 2	• 0								1.7	4.3
Γ	ESE	.1		ĺ	.0								. 2	4.3 5.3
Ī	SE	, 2	. 3										. 5	4.0
ſ	SSE	.1	. 1.										3	4.0 5.5
	5	. 4	.4	. 3	.0								1.1	5.2
	SSW	. 4	. 4	. 3	1								1.3	6.2
	SW	.6	.4	1	1				i				1.2	4.5
	W\$W		8	0									.4	4.7
	w	. 4	. 5										1.1	4.9
Ĺ	WWW	. 2	.2		.0								. 5	4.1
L	NW	1.3	1.6	4	1								3.4	4.5
Ĺ	NNW	2.3	5,4	1.7									9.3	4.8
[	VARBL													
[	CALM	$\geq \leq$	$\times$	$\times$	$\times$	$\times$	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	><	26.1	
Ţ		25.9	35.5	10.6	1.7	1	, Q						100.0	3.5

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL NUMBER OF OBSERVATIONS

(

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LUK	AFB AF	RIZONA	PHOEN	IX		42	46,51	<del>71</del>	rears				VDV
	_		<del></del>	<del></del>	ALL H	EATHER						0600	080=0
					COM	DITION							
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 19	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	4E - 55	≥56	*	MEAN WIND SPEED
N	11.2	14,1	2,5	5 ,	, 2			<b></b>		i	i	28.5	4.
NNE	3.5	3.4	1.2	- 7	.1			<u> </u>	ļ			٤.9	- 5 - 4 - 3 - 3
NE	2.8	1.7	. 9	.4	.0					<del>                                     </del>			4.
ENE	1,1	.9	.1								1	2.1	3,
E	1.0	. 3	1					i			T1	1.4	3
ESE	3	(A)										. 5	3,
SE	4	. 3	2									9	4.
SSE	. 3	.4										7	
\$	. 7	. 4		1			<u> </u>	<u> </u>				1.3	4
SSW		7		1						L		4	
SW	- 4	4	1	.2			<u> </u>	<u> </u>	<u>[</u>	<u> </u>		1.2	6
WSW	1	0	0				<u> </u>		ļ		ļ	2	4
w	. 5	. 3	1	ļ				<del> </del>	ļ	<u> </u>	<u> </u>	ي و	3.
WNW	.2	2					ļ	<b> </b>	<u> </u>	<u> </u>	ļ	. 5	
NW	1.7	1.0		٥		<u></u>	ļ	<del> </del>	<del> </del>	<u> </u>	<u> </u>	3,1	3. 4. 3.
NNW	4.3	5.3	1.3	.2	0		ļ	<del> </del>	<del> </del>		<u> </u>	_1111	4.
VARBL		<b>-</b>		<del></del>		<u> </u>	<u> </u>	<del></del>	<del> </del>				
CALM		$\geq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		31,6	
	20.3	29.7	7.6	2.2	.4							100.0	
									TOTAL NU	MBER OF OBS	SERVATIONS		229

USAFETAC FORM G-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLUTE

0

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LUKE	AFB AR	IZD5A/	PHOPNI	X		42.	46,51	-71	EARS				VOV
					ALL WE	EATHER						0900	) <b>-</b> 1 1
	-			\ <u></u>	CI,	ASS				<del></del>		NOUBI	(L.S.T
					Ç.2+1	HOITION							
	<del></del>												
SPEED (KNTS) UIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	M W
N	4.1	4.0	1.0	.6	. 2	3 :				i		9.9	
NNE	2.2	1.6	1.4	1.0	.4					I		6.6	
NE	3.4	2.2	1.0	1.0	.0	.0						7.7	
ENE	1.9	1.7	.7	.3								4.7	
E	4.9	3.5	4	. 3	.0	•0						9.2	_
ESF	1.5	1.8	.3	.0								3.7	_
5E	3.0	1.2	.4	.01				<u> </u>				4.6	
SSE	1.1	.3	.1	ن.						!		1.5	
S	1.4	1.0	. 5	Ü						1		2.9	
ssw	. 3	.6	.7	. 3				j		1		2.0	
sw	. 9	.6	9	. 4	. 0							2.8	
WSW	.4	. 1	- 2	. 1								. 8	
w	3	. 2	. 2	. 1	, Ç								
WWW	. 3	0	1	.0	.0							. 5	
NW	4.31	. 3	2	2	1	. 0						2.1	
WNM	1.0	. 9	. 3									2.4	
<b>YAREL</b>													
CALM	$\times$	$\geq \leq$	$\geq \leq$	$\times$	$\times$	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	><	37.7	
	28.0	20.1	8.4	4.6	1.0	.2						100.0	

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2292

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LUKE	AFB A	RIZONA	PHUEN	IX		42	-46,51	<del>-71</del>	EARS				V CI V
					ALL W	ATHER						1200 HOURS	) = 1 () (L S.T.)
	_				CON	DITION							
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEA! WINI SPEE
N	1,2	.4	.6	, 3	. 1							2.7	6
NNE	. 7	. 5	. 6	. 3	.0			i				2.3	6
NE	1.4	1.1	7	. 4	. 0					·		3.6	5
ENE	1.2	1.9	1.1	.7	0							4.9	6
Ę	3.9	3.9	2.9	. 5								11.2	P
ESE	2.2	2.6	1.1	.1								5.1	- 4
SE	2.8	3.0	1.4	1								7,3	
SSE	2,2	1.7	. 3									4.2	
5	4.2	3.1	7	. 3	· O							8.3	
SSW	1.5	1.1	_1.2	. 7					ļ			4.5	
SW	2,4	1.3	1.8	.7				]	<u> </u>			6,2	
WSW	1.0	5	7	.3	Q							2.3	\$
w		6	3	- 4								2,6	
WNW			3	. 2	2	٥•				<u> </u>		- 8	;;
NW	4	3		. 2	1	0		<del> </del>	ļ			1,3	
NNW	3	1	2	3	-0			<del> </del>	ļ			1.0	
VARBL	<b>-</b>							<del></del>	<del></del>				
CALM	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$			$\geq \leq$	$\times$	30,6	
	26.7	22.1	14.1	5.6	.8	. 1						100.0	3

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

11	LUKE	AFB AF	RIZONA	PHOEN	I X		42.	46,51		rears			<u>N</u>	VDV
		_				ALL WE	ATHER						_1500	1700 (L.5 T.)
						сон	DITION							
	SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
1	N	. 5	.7	.6	. 3	.0		.0					2.1	7.3
Ì	NNE	. 4	.3	-4	. 2	.0							1.4	7.3
Ì	NE	.7	. 8	.4	. 2								2.1	5.5
Ì	ENE	1,2	.9	. 6	. 1								2.8	5.5 5.1
1	E	1.7	3.1	1.4	.3	.1				i			6.6	5.7
ĺ	ESE	1.3	. 8	. 6	1								2.8	5.0
Ì	SE	2,4	1.9	.6									4.9	4.0
I	SS£	1.8	1.5	. 1									3,4	3.7
	5	6.5	5.3	1.8	1								13.7	4.2
	SSW	2.7	4.2	2.5	8	.0							10.2	5.8
-	sw	3,3	3.0	2.6	3.4	.0							10.3	6.2
	WSW	1.0	1.5	1.2	4	0							3.2	6.2
	w	1,3	1.0	1.6	4	. 3	. 0			<u> </u>	<u> </u>		4.0	6.9
1	WNW	.6		. 3	5								1:7	8 2 5 5
	NW	.7	7	3	2						<u> </u>	ļ	1.8	5.5
I	NNW	. 6	. 2	2	2								102	6.4
	VARBL									<u></u>			<u> </u>	
i	CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	26.9	
		26.6	26.0	14 4	<b>5</b> 2	. R	٠.٥	ام.					100 0	4 0

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LUKE	AFB AF	A ZONA	PHOEN!	IX		421	-46,51	<u> 471</u>	IEARS		······		V D V
	_			<del></del>	ALL W	EATHER				<del></del>		180(	)=20(
	<u>.</u>				ÇON	DITION				<del></del>			
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	5,2	4.8	1.7	, 4	.1							12.2	4
NNE	1,4	. 8	. 4	. 4	. 1							3.1	
NE	1.0	1.0	. 3	1								2.4	5
ENE	. 3	.7	1									1.1	4
E	1.1	. 7	. 3	- 1	. 1							2.3	5
ESE	5	. 2	. 1	0								9	4
SE	7	. 3	0					ļ	<u> </u>			1.0	3
SSE	4	. 5	1					<u> </u>				1.0	4
5	3.1	2.7	6	0								6.5	4
ssw	1.7	2.3	7	1								4.8	4
sw	2.1	2.1	للبل	3				ļ				5,7	5
wsw	6	_1.1	7	4	0				<u> </u>			2.7	6
_w	2.0		5	3	0	.0		<del> </del>	ļ	ļ	ļ	4.6	4
WNW	1,5	1.5	2	2				<b> </b>		<del> </del>	ļ	3.4	4
NW	3.8	3.5	7	2				<del> </del>	<del> </del>	<del> </del>	<del></del>	8,3	4
WWW	2.9	3.7	9	1				<del> </del>	<del> </del>	<del> </del>		7.6	4
CALM		$\sim$	$\overline{}$			$\sim$	$\sim$					32.6	
	28.3	27.7	8′.5	2.4	.4	•0						100.0	3

€

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	UKE A	FB A	RIZONA	PHOEN	IX	<del></del>	42	<u>46,51</u>	<del>-71</del>	rears			<u>N</u>	OV
		_			<del></del>	ALL M	EATHER			<del> </del>			2100 HOURS	=2300 (L. ₹.)
		_				CON	DITION				<del></del>			
SPEE (KNT. DIR	S)   1	- 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		9.5	20.7	6.9	.5	.0					<del> </del>		37.7	5,1
NN	E	1.7	2,7	1.7	.5	.1					i		6.8	6.0
NE		2.0	1.7	7	Q					1			4.4	4.3
ENI		. 5	.4	. 3				i				ì	1.2	4.9
E		.7	.6	- 1	.1								1.5	4.9
ESE		1	. 2	.1									.4	4.6
SE		, 3	. 1										4	3.1
SSE		.4	.3	1	.0								1.9	4.3
S		. 9	,7	. 3				L						4.3
SSV	<b>/</b>	.4	7	. 4	. 1	.0		L					177	0.1
SW		. 6		1.0	1						<u> </u>		2.4	6.1
WS	<b>W</b>	. 6		. 3	2	1		<u> </u>					1.2	6.7
W		, 3	.3	2	-0	٥٠						<u> </u>	. 9	5.9
WN	w	2		-1	. 2									5.9
NW		1.5	2.1	1.0	. 3	.0				<u> </u>			5.1	5.5
NN	<b>*</b>	2,5	7.5	2.5							<u> </u>	L	12.7	5.1
VAR	BL	·	L		L		L	Ļ		Ļ	L			
CAL	M >	$\leq$	$\geq \leq$	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	19,5	
	T T	20 2	20 5						1					

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

111	LUKE	AFB A	RIZUNA	PHOEN	IX	<del></del>	41.	45,51	-71	EARS				E C
		-				ALL W	EATHER						OOO	)=0200 (L.s.y.)
		-				сон	DITION				<del></del>			
	SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
	N	11.5	20.4	4.5	. 3	.1							36.8	4.6
	NNE	3,3	3.4		. 3	.1	• 0			<u> </u>			8.1	4.6 4.8
	NE	2,7	2,2	.6	, Ç								5.5	4.1
	ENE	,6											1,5	4.0
	Ε	1.1	.7	.2	.0					i			2.1	4.2
	ESE	. 1		. 1									. 4	4:7
	SE	. 2	.3	1									.6	4.7
	SSE	. 1	. 2	.0						<u> </u>			. 3	4.4
	Ş	. 5	. 5	.5	Q								1.5	5.7
	ssw	. 2	. 4	. 5	. 2								1.4	7.2
	sw	. 5	.6	. 5	. 2	.1							1.9	6.7
	WSW		. 2	.2									.6	5.7
	w	. 5	.4		0	.0			L				1.0	.4,4
	WNW	7	. 2	.0	. 1								1.0	4.3
	NW	2.1	1.5	. 5	.1								4.2	4.4
	NNW	2.1	4.9	1.7	3	.0							9,1	5.3
	VARBL													
	CALM		$\geq$	$\geq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	><	24.0	
									1		l			

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL NUMBER OF OBSERVATIONS

2409

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# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	C AI U AI	I E D VA	FFUEIV	<u> </u>		711	44293	<del></del>					ONTH
	E AFO AF	STATION	I NAME					'	FEARS				
					ALL W	EATHER						0300	0=0500
					CI	ASS						HOURS	(L S.T.)
					CON	DITION							
					COA	DI I I ON							
SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 · 33	34 - 40	41 - 47	48 - 55	≥,56	*	MEAN WIND SPEED
N	11.4	18,1	3,4	.1					<b> </b>	<del> </del>		33.0	4.4
NNE	3.2	2.9	. 9	. 2	.1							7.3	4.4
NE	2.8	2.3	. 5	. 2								5.8	4.3
ENE	. 7	. 8	.0									1,0	3.6
E	. 9	. 7	. 1	1								1.9	4.5
ESE	1	. 2										. 3	4.0
SE	1	.2	.0									. 4	4.2
SSE	. 2	. 2	. 0									. 5	4.4
S	. 5	. 5	. 2	ن								1.2	4:7
ssw	2	5	5	.0	.0							1.4	6.5
sw	.3	ó	. 4	2				<u></u>				1.5	6.2
WSW	5.	2	2	0		. 0						7	6,1
w	.4		1	. 2								1.0	5,3
WNW	-4	2	0	0	.0			<u> </u>	<u> </u>		<u> i</u>	7	5.C
NW	2.5	1.5	- 6	2				<u> </u>	<u> </u>	<u> </u>		4.9	4.5
NNW	2.9	5.4	1.4	1								9.7	4:7
VARBL	11						ļ	<u> </u>	<u> </u>				
CALM	><	$\geq \leq$	><	$>\!\!<$	><	><	$\geq \leq$		$\geq \leq$	$\geq \leq$		25.0	
	27.1	34.8	8.4	1.5	. 2	. 0						100.0	3.3

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL NUMBER OF OBSERVATIONS

2611

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LUKE	AFB AF	RIZONA/	PHOEN	I X		41	45,51	<del>-71</del>	TEARS				) E C
	_				ALL W	EATHER			<del></del>			0600 HOURS	)+() (1-1
	_				CON	DITION				_			
SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MI W SP
N	10,9	14.0	2,3	1								27.3	
NNE	4.3	2.9	- 6	. 5								8,4	
NE	3.7	2.2	4	- 1								6.4	
ENE	.7	. 4	- 2									1.4	
Ε	1.0	8	.3									2.2	
ESE	. 3	. 2	.0						l			. 5	
SE	. 5	- 2										7	
SSE	4	. 2	0					ļ	<u> </u>			7	
8.	2	. 6	2						<u> </u>			1.0	
ssw	2	7	4	. 2			! 		ļ			1.4	
S₩	- 4	7	2				<u> </u>	ļ				1.4	
wsw	2	اغِ	1		0				ļ	ļ		5	ļ
w	.5	. 5	1	1			<u> </u>	ļ				1,2	
WNW	3	2	0	1		<u> </u>		<u> </u>	<u> </u>	<u> </u>		7	
NW	2.2	1.8	7				ļ	ļ	<del> </del>	ļ		4,8	
NNW	3.0	5.1	1.5	1				ļ	<b> </b>	<u> </u>		9.7	
VARBL CALM												31,6	
CALM .	29.0	30.8	7.0	1.5	.1							100.0	

DATA PROCESSING BRANCH ETAC/USAF AIR WEATHER SERVIÇE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23111 STATION	LUKE	AFB A	RIZONA	PHOEN.	1X		41	45,51	<del>-71</del>	reans.			<u> </u>	EC_
		_				AL W	EATHER				<del></del>		0900 HOURS	)=1100 (Ls 7)
		-				сон	DITION							
	SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
	N	5.4	5,5	1.4	.6				i		i		12.5	4.5
	NNE	2.8	1.7	1.2	1.0	. 2							7.0	6.1
	NE	3.8	2.3	1.1	. 5								7:7	4.6
	ENE	2.0		.6	. 2								4.1	4.6
	E	3,4	1.6	. 3	. 2								5.4	4.6 3.7
i	ESE	1.5	1.2	. 2							<u> </u>		2.9	3.5
	SE	1.7	1.1	0							l		2.8	3.4
	SSE	1.0	. 3									l	1.4	3.2
	S	1.0		4	2					L	<u> </u>		2.5	4.7
	SSW	. 5		5	. 3					<u> </u>	<u> </u>	<u> </u>		6.7
	SW	. 7	7	. 2	.2		.0			L			2.1	6,8
	WSW	4	.5		.0					<u> </u>				5.6
	w	. 5	. 2	1	1	0			<u> </u>	<b> </b> -			1:0	5.8
	WNW	. 3	. 2	2	1				<u> </u>		ļ	ļļ	7	5,2
	NW	1.2		3	3	1	0		<del>}</del>	<b></b>	<u> </u>	<b> </b>	2.7	5.8
	WMM	1.5	1.5	2	2				<del> </del>	<del> </del>	ļ	<del>  </del>	3.5	4.3
	VARBL	<del></del>		<del></del>	<	<del></del>			<del></del>	<del></del>	<del></del>			
	CALM	$\geq \leq$		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		$\geq \leq$	$\geq \leq$	$\geq \leq$	40.4	
		27.8	20.1	6.9	3.9	7	. 1						100.0	2.8

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM APE OBSOLETE

DATA PROCESSING ARANCH ETAC/USAF AIR MEATHER SERVICE/MAC

### SURFACE WINDS

TOTAL NUMBER OF DESERVATIONS

2411

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23111 STATION	LUKE	AFB AF	RIZONA	PHOEN	IX		41.	45,51	<del>-71</del>	YEARS		<del></del>		DEC
						ALL W	EATHER							0-1400
		_				CON	DITION							
	SPEED (KNTS) DIR.	1-3	4 - 6	7 - 10	11 - 16	1/ - 2!	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
Ì	И	1.5	1.1	.5	.2	.0			i				3,3	4.9
Ì	NNE	7	1.0	. 8	.7	• 0				<del>                                     </del>			3.2	7.1
ſ	NE	2.0	1.8	1.2	.2	. 1	. 0						5.4	5.6
1	ENE	1,3	1.3	.7	. 2								3.6	5.2
[	E	3.6	3.1	1.5	.31								8.5	4.8
I	ESE	2.2	1.9	. 5									4.5	4.1
	SE	3.0	2,8	.5	.0							i!	6.3	4.0
Į	SSE	1,9	1.5	. 2									3.6	3.6
1		2.9	2,8	. 8	U	.0							6.6	4.3
Į.	SSW	1.9	1.4	1.0	. 5	ا ٥ و							4.9	5.7 6.7
j.	SW	2,2	1.4	1.4	.7	1	. 2			<u> </u>			المف	6.7
	wsw	1.0	.7	6	.4	.0			<u> </u>	<u> </u>			2.7	6.0
	w	1.0	.7	4	.3	1				ļ			2.5	6.3
1	WNW	.3	. 2	.4	1									7.6
,	NW	. 8	.4	2	2	1	0							6.4
	NNW	5	2	3	1				ļ					6.0
	VARBL	<b>-</b>			<u> </u>			<del></del>						. — — —
	CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	34.5	
{		20.8	22.3	11.2	4.2	7	.2						100.0	

USAFETAC FORM 0-8-5 (QL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH ETAC/USAF AIR WEATHER SERVICE/HAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LUKE	AFB A	LAMES	/PHOEN	IX		41.	-45,51	<del>-71</del>	ILA98			- <u>-                                  </u>	) E C
	•				ALL H	EATHER	<del></del>					1,500 HOURS	0-1700
	_				CON	DITION				<del></del>			
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 • 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.4	1.3	1.0	1								3.9	5.2
NNE	. 6	.7	. 5	, 2	. 1							2.1	6.4
NE	- 9	1.0	. 9	. 2								3.0	5.9
ENE	.9	1.0	. 3	. 1	• 0							2.3	4,9
Ε	2.1	2.4	9	.1								5.6	4.
ESE	1,4	. 7	. 5	. 1					<u> </u>			2.4	4.1
SE	1,9	1.5	. 2	.1								3.6	3.7
SSE	2,2	1.2	. 1									3.5	3.5
5	4,4	5.1	1.3	.0								10.9	4.3
ssw	3.7	2.9	1.6	. 5					Ī			8.6	4.9
sw	3.0	2.2	1.9	.7	, 3							8.0	5.9
WSW	. 6	. 9	. 5	.6	.0	• 0						2.7	7.4
w	1.4	8	6	. 5	.0							3.3	6.0
WNW	. 6		. 2	. 7	Ç	• 0						2.3	7.6
NW	1.1	1.0	- 5	. 1	0	· O						2.7	5.3
WMM	. 7	. 4	. 4	. 1								1.5	5.2
VARBL													
CALM	$\geq \leq$	$\geq \leq$	$\searrow$	$\geq <$	$\times$	$\times$	$\geq \leq$	$\geq \leq$		$\geq \leq$	$\geq \leq$	33,5	
	26.7	23.6	11.3	4.2	.6	. 1		]				100.0	3.4

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE COSOCETE

DATA PROCESSING REALCH ETAC/USAF AIR WEATHER SERVICE/YAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23111 STATION	LUKE	AFB A	RIZUNA	PHOEN	I X		41.	45,51	-71	IEAPS				EC_
		_	·		<del></del>	ALL N	EATHER				<del></del>		1800	)=2000 (Ls t.)
		-				CON	DITION							
	SFEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
	N	5,4	5,4	1.2	.3	.0			i		i		12.3	4.3
	NNE	1.4			. 3								4.0	5.3
	NE	8.	1,2	. 8	. 1								2.9	5.3
	ENE	.7	, 3	, 2	•1								1.2	4.6
	E	1.0	.3	. 4							1		1.7	5.0
	FSE	5	3,	.0	.1				<u> </u>			i	, 9	4.7
	SE	. 5	.3	•0	0						i		. 9	4.2
	SSE	.6	. 3	. 2	• Q		•0		i T				1.1	5.1
	\$	2.3	2.2	6	• 0								5.1	4.3
	SSW	1.9	1.7	. 2	.2	1							4.1	4.6
	SW	2.3	1.7	1.2	. 4	J.							5.7	5.4
•	wsw	.7	.5	. 3	1	.0			1				1.6	5.1
	W	1.5	1.5	. 4	. 2	• C							3.7	4.6
	WNW	1.1	1.4	,4	.1	.1			i		í — —		3.1	5.1
	NW	4.1	3.4	,7	.2	. 1							8.5	4.3
	NNW	3.8		1.0	. 1								9.9	4.3
ئىرىت ئىگەر	YARAL													
1.7°	CALM		$\supset <$	$\geq <$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq$	$\geq <$	$\geq$	$\geq$		33.3	
										1	1			

TOTAL NUMBER OF OBSERVATIONS 2410

USAFETAS FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING PHANCH ETAC/USAF AIR WEATHER SEPVICE/MAC

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### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

<u> LUKI</u>	E AFB A	RIZONA	PHOEN!	IX		41:	45,51	<del>-71</del>	IEARS	<del></del>		·	EC ONTH
	-				الم الم	ATHER						2100 HOURS	)=23 <u>00</u>
	-				сон	DITION							
SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
н	9,6	18.7	6.4	.2					l		i	34.9	4.9
NNE	2.3	2.9	1.7	. 4	, 2						i	7.5	
NE	1.2	2.2	. 7	. 1								4.3	4.8
ENE	. 5	.5	. 2									1.2	4.7
E	. 5	. 5	. 2	1								1.4	4.9
ESE	.4	اع و ا	1					l				. 6	3.8
SE	. 2	3	2	.0								. 9	5.6
SSE	2	. 3	1					<u> </u>	<u> </u>			6	4.7
\$	6		3	1						!		1.9	
SSW	. 5		. 5	. 5						L		1.7	7.3
SW	7		2		1			ļ				9 م	5,9
WSW	. 3		2	2	0			ļ	<u> </u>	!		1.0	6.4
	. 3	ا ق	1		ا م			<u> </u>	<u> </u>	!		1,0	4.3
WNW	. 3		2	- 2	0			<del> </del>	<del> </del>	<b></b>		1,2	6.6
NW	1.7		9			-0		ļ <u> </u>	<del> </del>			5.5	3.5
NNW	2.4	7.5	3.3	.3				ļ	<b> </b> -	<u> </u>		14.0	5.4
CALM												20.4	
	22.2	39.1	15.3	2.5								100.0	4.2
									TOTAL NU	MBER OF OBS	ERVATIONS		2411

USAFETAC FORM G-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING GRANCH ETAC/USAF AIR SEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22111 station	LUKE AF8	ARIZONA/PHOENIX	41=46,51=72	ALL
MOLTATS		STATION MAME	YEARS	MONTH
			INSTRUMENT	ALL
	•		CLASS	HOURS (L.S.T.)
		CIG 200 TO 1400	FT W/ VSBY 1/2 MI OR MORE,	
			CONDITION	
		AND/DR VSBY 1/2 TO	2=1/2 MI W/CIG 200 FT OR MORE	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3,3	5,4		.4	.4	•1	.3	.1				11.9	6.7
NNE	. 8	1.5	. 5	.3	5	• 7	.4					4.6	12.0
NE	θ	2.0	. 8	. 3	. 3	5	- 1	1				4.9	10.0
ENE	. 8	1.2	.4		3	. 3.				<u> </u>		3:3	8.1
E	1,6	3.3	1.8	1.3	. 5	1	e l					8.8	7.9
ESE	.7	1.1	3	.4	. 4	. 3	1	L				3.2	_10.3
SE	i.5	2,2	1.3	1.1	9	.7	. 1					7.8	10.1
SSE	1.5		. 3		3	8						4.0	9.7
\$	1.5	2.1	1.5	1.1	. 5	. 3	1			<u> </u>		7.0	8.7
ssw	8	1.8	. 5	1.1	1.3	3						5.8	10.2
sw_	1,3	1.5	1.6	. 9	1.3	• 7						7.4	10.9
WSW		. 3	.4	. 7	9	. 3	. 5	1				3.2	17.5
W		7	1	.7	. 1	1						1.8	10.0
WNW	. 4	. 4	3	. 5	. 5	.5	. 4					3.0	15.2
NW	1.1	1.3	.4		. 3	5						4.6	9.1
NNW	1.1	. 9	В	1.1	. 3	. 3						4.4	9.3
VARBL										1			
CALM	><	><	$\times$	><	$\times$	><	><	$\geq \leq$	><			14.4	
	17.0	26.4	13.1	11.2	8.8	6.3	2.4	.4		1		100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 758

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING DIVISION ETAC/USAF AIR WEATHER SERVICE (MAC) ASHEVILLE, NORTH CAROLINA

#### PART D

### CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

- 1. Annual all years and all hours combined
- 2. By month all years and all hours combined
- 3. By month by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

#### EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING							VIS	IBILITY (ST	ATUTE MIL	.ES}						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1 1/3	≥1%	≥ 1	≥ ¾	≥ %	≥ ⅓	≥ 5/16	≥ ¼	2 ≤
NO CEILING							$\overline{\wedge}$	<b>/</b>			<u> </u>					
≥ 1800 ≥ 1500			<u> </u>		91.0							-	~			92.6
≥ 1200 ≥ 1000																
≥ 900 ≥ 800																
≥ 700 ≥ 600																
≥ 500 ≥ 400										97.4						98.1
≥ 300 ≥ 200																
≥ 100 ≥ 0					95.4		96.9			98.3						100.

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq$  0. For instance, from the table: Ceiling  $\geq$  1500 feet = 92.6%. Ceiling  $\geq$  500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq$  0. From the table: Visibility  $\geq$  3 miles = 95.4%. Visibility  $\geq$  2 miles = 96.9%. Visibility  $\geq$  1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling > 1500 feet with visibility > 3 miles = 91.0%.

#### ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq$  1500 feet with  $\geq$  3 miles, subtracted from 97.4 read from the table at the intersection of  $\geq$  500 feet with  $\geq$  1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq$  500 feet with visibility  $\geq$  1 mile, but < 3 miles; or ceiling  $\geq$  500 feet, but < 1500 feet with visibility  $\geq$  1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

## CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 41-46,51-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING		•					VIS	IBILITY (STA	ATUTE MIL	ES)						
FEET	≥10	≥6	≥5	≥ 4	≥3	≥212	≥ 2	≥1'3	≥1'4	1≤	≥ 14	≥34	≥ γ	≥ 5/16	≥ '•	≥0
NO CEILING ≥ 20000	78.9 86.0	79.3 86.4	79.3 86.5	79.4	79.4	79.4	79.4	79,4 86,6	79.4 86.6	79,5 86.6		79.5 86.6	79.5	79.5 86.6	79.5	1 4 . * . [
≥ 18000 ≥ 16000	86.6 67.6	87.0	07.1	87.2 88.2	87.2 88.2	87.2 88.2	87.2 88.3	87,2 88.3	87.2 88.3	87,3	87.3 88.3	87.3	87.3	87.3 88.3	87.3 88.3	87.3 88.3
≥ 14000 ≥ 12000	59.9 92.1	90.3	90.4	90.5	90.5	90.5	90.6		90.6	90.6	90.6	90.6	90.6	90.6	90.6	92.9
≥ 10000 ≥ 9000	93.5	94.5		94.1	94.2	94.2	94.2	94,2	94.7	94.8	94.8	94.8	94.3	94.3	94,3	94.3
≥ 8000 ≥ 7000	94.8	95.4 96.1	95.5	95.5	95.6		95.7 96.4	95.7	95.7	95,7	95.7 96.5	95.7	95.7	95.7	95.7	95.7
≥ 6000 ≥ 5000	96.5	97.1 97.9	98.0		97.4 98.2	97,4 98,2	97.4 98.3	98.3	97.4 98.3	97.5	97.5 98.3	97.5 98.3	97.5	97.5 98.3	97.5 98.3	97.5 98.4
≥ 4500 ≥ 4000	97.5 97.6	98.1 98.5		98.4 98.7	98.4 98.8	98.5 98.8	98.5	98.5 98.9	98.5	98.6 98.9	98,9	98.6 98.9	99.0	98.6	99.0	99.0
≥ 3500 ≥ 3000	98.0	95.7	99.1	99.0	99.3	99.1	99,1 99,4	99.4	99.1	99,2	99.5	99.2	99.5	99.2	99.5	99.5
≥ 2500 ≥ 2000	98.3	99.1	99.3			99.5	99.5	99.7	99.5	99,6	99.7	99.6	99.7	99.5	99.7	99.7
≥ 1800 ≥ 1500	98.3	99.2	99.4	99.5	99.6	99:0	99.7	99.7	99.7 99.7	99,7	99.7	99.7		99,8	99,8	99.8
≥ 1200 ≥ 1000	98.3 98.4	99.2	99.4	99.6	99.7	99.7	99.7	99.8	99.8	99,8	99.9	99.8	99.9		99.9	99.9
≥ 900 ≥ 800	98.4	99.2	99.5	99.6	99.7	99.7	99.8	99,8	99.8	99.9	99.9	99.9	99.9	99,9	99.9	99.9
≥ 700 ≥ 600	98.4	99.2	99.5	99.6	99.7	99:7	99.8	99,8	99.8	99,9	99.9	99.9	99.9	99,9	99.9	99.9
≥ 500 ≥ 400	98.4	99.3	99.5	99.5		99.7	99.8	99.9	99.9	99,9	99.9	99.9	99.9		100.0	100.0 100.0
≥ 300	98.4	99.3	99.3	99.5			99.8		99.9	99.9	99.9		100.0	100.0	100.0	100.0
≥ 100 ≥ 0	98.4	99.3	99.3			99.8				, ,	1 7 1					100.0

TOTAL NUMBER OF OBSERVATIONS

227469

USAF ETAC 101 64 0+14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

PERCENTAGE EREQUENCY OF OCCUPAN

HOURS IL ST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MIL	.ES:		······································				
	≥10	≥6	≥ 5	≥ 4	≥3	≥2"⁄2	≥ 2	≥1⅓	≥1%	≥1	≥ 1,4	≥ 3/4	≥ %	≥ 5.16	≥ 4	≥0
NO CEILING ≥ 20000	72.3	72.9	73.0	73.1	73.1	73.2	73.2	73.2		73.2 82.6	73.2 82.6				73,2	73,3
≥ 18000 ≥ 16000	82.2 83.4	84.3	83.1	83.2	83.3	83.3	83.3 84.6	83,3	83.3	83,3	83,3	82.6	82.6	82.6	82.6 83.4	83.
≥ 14000 ≥ 12000	85.6	86.4	86.6 88.3	86.6	86.7	86.8 89.0	86.8 89.0	36.8 89.0	86.8	86,8	84,7	86.8	86.8	86.8	84.7	86,
≥ 10000 ≥ 9000	69.1	90.0 90.6	90.2	90.3	90.3	90.4 91.0	90.4	90.4	90.4	90,4	89.0 90.4	90.4	90.4	89.0 90.4	90.4	90.
≥ 8000 ≥ 7000	90.6	91.6	91.8 92.6	91.9	92.0	92.1	92,1	92.1	91.0 92.1	91.1	91,1	91.1	91.1	91.1	91.1 92.1	91,
≥ 6000 ≥ 5000	92.6	93.7	93.9	94.0	94.1	94.1	94.2	94,2 95,8	94.2	94,2	94.2	94.2	93.0	94.2	94.2	94.
≥ 4500 ≥ 4000	94.6	95.8 96.5	96.0 96.8	96.2 96.9	96.3	96.3	96.4	96,4	95.8	95.8 96.4	95.8	95.6	95.8	95.8	95.8	95.
≥ 3500 ≥ 3000	95.5	97.1	97.4 98.0	97.5	97.7 98.3	97,8	97,8	97,9	97.9	97.9	97.9	97.9	97.9	97.2	97.3	97.3 98.0
≥ 2500 ≥ 2000	96.1	97.9	98.2 98.5	98.4	98.6 98.9	98.4 98.7 99.0	98,7	98.5 98.8 99.1	98.8	98.5	98.6	98.8	98.6	98.8	98.9	98.9
≥ 1800 ≥ 1500	96.3	98.2 98.3	98.6 98.7	98.8	99.0	99.1	99.2	99,2	99.2	99,2	99,2	99.2	99.2	99.2	99.2	99.3
≥ 1200 ≥ 1000	96.4	98.3	98.7	98.9	99.1	99.2	99.3	99,4	99,4	99.4	99,4	99.5	99.4	99.4	99.5	99.6
≥ 900 ≥ 800	96.4	98.4	98.8	99.0	99.3	99.4	99,5	99,5		99,6	99.6		99.7	99.6	99.7	99.7
≥ 700 ≥ 600	96.4	98.4 98.4	98.8 98.8	99.0	99.3		99.5	99.6	99.6	99,7	99.8	8.99	99.8	99.8	99.8	99.8
≥ 500 ≥ 400	96.5	98.4	98.9	99.1	99.3	99.5	99.6	99.7 99.7 99.8	99.7	99.8		99.9	99.8	99,3	99.9	99.9
≥ 300 ≥ 200	96.5	98.4	98.9	99.1	99.3		99,6		99.8	99,9	99,9	99.9	99.9	99,9		00.0
≥ 100 ≥ 0		98.4	98.9	99,1	99.3	99,5	99.6		99.8	99.9	99,9	99,9		99.9	99.91 99.91 99.91	

TOTAL NUMBER OF OBSERVATIONS

19200

USAF ETAC 100M 0+14+5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 42-46,52-72

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS IL YT

CEILING							VIS	BILITY (ST	ATUTE MIL	E\$1						
FEET,	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2'7	≥ 2	≥11/2	≥14	≥1	≥ 14	≥%	2 າ	≥5 16	≥ .	≥0
NO CEILING ≥ 20000	74.3	74.5 83.1	74.5	74.5 83.2	74.5	83.2	74,6	74,6 83,3	74.6 83.3	74,6	74,6 83,3	74.6 83.3	74,6	74.6 83.3	83.3	83.3
≥ 18000 ≥ 16000	83.6 84.8	83,8	83.9 85.0	83.9 85.0	83.9 85.1	83.9 85.1	83.9 85.1	83.9 85.1	83,9	84,0	84.0 85.1	84.0 85.1	84.0	84.0 85.1	84.0	85.1
≥ 14090 ≥ 12000	86.9 88.9	87.1 89.2	87.1	87.2	87.2 89.3	87.2	87.2	87,2 89,3	87,2	87,2	87.2 89.4	87.2 89.4	87.2	87,2 89,4	87,2 89,4	87,2 89,4
≥ 10000 ≥ 9000	90.8 91.4	91.0	91,1 91,8	91,1 91,8	91.2 91.8	91.2	91,2 91,8	91,2	91.2 91.9	91,2 91,9	91,2 91,9	91.2	91,2	91,2	91.2	91,2 91,9
≥ 8000 ≥ 7000	92.5	92.8	92,9	92.9	92.9	92.9	92,9	93.0	93.0	93,0	93,0	93.0	93.0	93,0	93.8	93.8
≥ 6000 ≥ 5000	94,3	95.2	95.3	95,3	95.4	95.4	95,4	95.4	95.4	95.4	95,4	95,4	95.4	97.0	95,4	95,5
≥ 4500 ≥ 4000	96.7	97.2	97,3		97.4 98.1	97,4 98,1	97.4	97,5	98.2	98.2	97,5 98,2	97,5	98.2	98.2	97,5	97.5
≥ 3500 ≥ 3000	97.7	98.3	98,4	98,5		98,6 99,1	98,6	98,5	98.6 99.1	98,6	99.1	98,6	99.2	98,7	98;7 99,2	98.7
≥ 2500 ≥ 2000	98.3		99.2	99.2	99.5	99.4	99,4	99.6	99.4	99,4		99.4	99.4	99.4	99.4	99.6
≥ 1800 ≥ 1500	98.4	99.2	99.3	99,4	99.6	99.6	99.6	99.5	99.6	99,6	99.7	99.6	99,6	99.6	99.7	99.7
≥ 1200	98.5	99.2	99,4	99,5		99,7	99.8	99,7 99.8	99.8	99,8	99.9	99,8	99,8	99,8	99,9	99.9
≥ 900 ≥ 800	98.5	99.3	99.5	99,6	99.8	99,8	99,8 99,8	99.9	99,9	99.9	99.9	99,9	99,9	99,9	99,9	99.9
≥ 700 ≥ 600 ≥ 500	98.5 98.5		99,5	99,6 99,6	99.8	99 8 99 8 99 8	99.9	99,9	99.9		99,9	99.9 99.9	99.9	99.9	99.9	100.0
≥ 500 ≥ 400 ≥ 300	98.5	99.3	99.5	99.6	99.8	99.5		99.9	99.9		99.9		1 1 1 7 1	99.9	100.0	100.0
≥ 200	98.5	99.3	99,5		99.8	99.9	99,9	99.9	99.9	99,9	100.0		0.00	100.0	100.0	100.0
≥ 100 ≥ 0	98.5		1 * 2 * 5	1 11 7 1	1 - 4		1 - 1 7 1		99,9				200.0	7 7 7 7		100.0

TOTAL NUMBER OF OBSERVATIONS

17096

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

22111 LUKE AFB ARIZONA/PHOENIX 42-45,52-72

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (STA	ATUTE MIL	ES1		<del> </del>				
FEET	≥10	≥6	≥ 5	≥ 4	≥3	≥217	≥ 2	≥1½	≥1'4	≥1	≥ '₄	≥ '₃	≥ '⁄2	≥ 5 16	≥ '•	≥0
NO CEILING ≥ 20000	75.9 84.5	76.1 64.8	76.1 84.8	76.1 84.8	76.2 84.9	76.2 84.9	76.2 84.9	76.2 85.0	76.2 85.0	76.3 85.0	_	76.3 85.0	76.3	76.3 85.0	76.3 85.0	76.3 85.0
≥ 18000	85.3	85.5 86.7	85.5 95.7	35.6 86.7	85.6 86.8	85.6	85.7 86.8	85.7 86.9	85.7	85,7 86.9	85.7 86.9	85.7 86.9	85.7	85.7 86.9	85.7 86.9	85.7
≥ 14000 ≥ 12000	37.8	88.1 89.8	99.5	88.2 89.9	98.3 90.0	90.0	98.3 90.0		88.3 90.0	88.3 90.0	88,3 90,1	88,3 90.1	88.3 90.1	88.3 90.1	88.3 90.1	86.3 90.1
≥ 10000 ≥ 900C	90.8	91.1 91.5	91.1	91.6	91.2 91.7	91.2 91.7	91.2	91.2	91.2 91.7	91.3 91.7	91.3	91.3	91.3	91,3 91,9	91.3 91.8	91.3
≥ 8000 ≥ 7000	92.3	92.6	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 6000 ≥ 5000	94.7	95.0 96.4	95.1	95.1	95.2 95.5	95.2	95.2 96.6	95.3	95.3	95,3 96.6	95.3	95.3 96.6	95.3	95.3	95.3 96.6	95.3
≥ 4500 ≥ 4000	97.1	96.8	90.8	97.7	97.0 97.8	97.0 97.8	97.8	97.0 97.8	97.0 97.8	97.9	97.9	97.1 97.9	97.9	97.1	97.1	97.1 97.9
≥ 3500 ≥ 3000	97.6	98.1 98.8	9.6.2	98.3 99.0	99.1	99,4	98,4	98,4	98.4	98,4	98,4 99,2	98.4 99.2	98.5	98,5	98.5	98.5
≥ 2500 ≥ 2000	98.4	99.0	99.3	99.2	44	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1800	98.6	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99,7 99,8	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	98.5	99.4	99.5	99.6	99.7	99,7	99,7	99,8	99.8	99,8 99,8	99.8	99.8	99.8	99,8	99.8	99.8
≥ 900 ≥ 800	98.6	99.4	99.5	99.6		99.8	99.8	99.8	99.8	99,9	99.9	99.9	99.9		99.9	99.9
≥ 700 ≥ 600	98.7	99.4	99.5	99.6	99.8	99.8	99.8	99,9	99,9	99.9	99,9	99.9	99.9	99,9	99.9	99,9
≥ 500 ≥ 400	98.7	99.4		99.7	99.8	99.8	99.9	99,9 99,9	99.9	99.9	100.0	99.9 100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	99.4		99.7	99.8	99,8	99,9	99.9	99.9	99,9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	98.7	99.4	99.6	99.7 99.7	99.8	99.8	99.9	99,9	99.9	99,9		100.0	100.0	100.0		100.0

TOTAL NUMBER OF OBSERVATIONS

18501

USAF ETAC FORM ARE OBSOLETE OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

2311) LUKE AFB ARIZONA/PHOENIX 42-46,51-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (STA	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥4	≥3	≥2'⁄2	≥ 2	≥1 2	≥1'•	≥1	≥ '₄	≥ ^s	≥ %	≥5 16	≥ 4	≥0
NO CEILING ≥ 20000	#1.5 #8.9	81.8	P1.9	\$1.9 89.2	89.3	81.9	81.9 89.3	82.0 89.3	82.0 89.3	89.3	89.3	82.0	82.0 89.3	82.0 89.3	82.0 89.3	89.3
≥ 18009 ≥ 16000	89.5 90.3		89.9 90.7	89.9 90.7	89.9 90.7	90.0	90.0	90.8	90.0	90.8	90.8	90.0		90.0	90.0 90.8	90.3
≥ 14000 ≥ 12000	91.4 92.9	93.3	91.3 93.3	91.8	93.4	91.9 93.4	93.4	93.4	91.9	93.4	93.4	91.9	93.4	93.4	91.9	93.4
≥ 10000	94.1 94.5		94.9	94.9	94.9			95 3		95.0	95.0	94.6	95.0	95.0	95.0	95.0
≥ 8000 ≥ 7000	95.3	96.5	95.8	95.8	96.7		95.8	96.8		96.8	96.8	95.9 96.8	96.8	96.8	96.8	96.8
≥ 6000 ≥ 5000	97.3	98.5	97.8	97.8	98.7	97.8 98.7	98.7	98.8	97.9 98.8	93.8	98.8	97.9 98.8	98.8	98.8	98.8	95.8
≥ 4500 ≥ 4000	98.8		96.9	98.9	99.4	99.0	99.4	99.4	99.4	99.4	99.4	99.0	99.4	99.4	99.5	99.5
≥ 3500 ≥ 3000	98.9	99.5	99.6	99.5	99.5	99.6 99.7	99.6	99.7		99.7	99.7	99.7	99.7	99,8	99.8	99.8
≥ 2500 ≥ 2000	99.1 99.1	99.6		99.7	99.8		99.8		99.8	99.9	99.9	99,8 99,9	99.8	99.9	99.9	99.9
≥ 1800	99.1	99.5	99.8		99.8		99.9	99.9		99.9	99,9	99.9	99.9	99.9	99.9	99.9
≥ 1200	99.2	99.7		99.6		99.9	99,9	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100,0
≥ 800	99.2	99.7			99.9		99.9	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700 ≥ 600	99.2	99.7			99.9		99.9	100.0	100.0	100.0	100.0	<u> 100 -                                 </u>	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	99,2	99.7	99.8	99.8	99.9		99.9	100.0	100.0	100.0		100.0	100.0		100.0	100.0
≥ 300 ≥ 200	99.2	99.7				99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	99.2	, , .				99,9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0 100.0

TOTAL NUMBER OF OBSERVATIONS

18920

USAF ETAC 101.64 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE DESOCRETE

# CEILING VERSUS VISIBILITY

22111 LUKE AFE ARIZONA/PHOENIX 42-46.51-72

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST)	ATUTE MIL	ES.						
FEET	≥10	≥6	≥5	≥ 4	≥3	≥2 7	≥ 2	≥1/2	≥1'4	≥1	≥ 14	≥ %	≥ '7	≥5 16	2.	≥0
NO CEILING ≥ 20000	86.2 93.5	56.3 93.6	86.3 93.6	86.3 93.6	86.3	86.3 93.7	86.3	86.4 93.7	86.4 93.7	86,4 93,7	86.4 93.7	86.4 93.7	86.4 93.7	86,4 93,7	86.4 93.7	86,4 93.7
≥ 18000 ≥ 16000	94.0	94.2	94.2	94.2 94.9	94.2	94.2	94,2 95.0		94.2	94.2	94,2 95.0	94.2 95.0	94.2	94.2	94.2	94.2 95.0
≥ 14000 ≥ 12000	96.2 97.2	95.4	96.4 97.4	96.4	96.4	96.4	96.4 97.5	96,4 97,5	96.4	96,4 97,5	96,4 97.5	96.4	96.4	96.4	96.4	96.4
≥ 10000	57.9 98.0	98.2	98.1	98.3	98.1 98.3	98.1	98.1 98.3	98.1 98.3	98.1	98,1	98,2 98,3	98.3	98.2 98.3	98.2	98.2 98.3	98.2 98.3
≥ 8000 ≥ 7000	98.5 98.8	98.6	98.7 99.0	98.7 99.0	98.7	99 C	98.7	98.7	98.7 99.1	98,8	99.1	98.8	98.8	98.8 99.1	98.5 99.1	98.8
≥ 6000 ≥ 5000	99.3	99.5	99.0	99.6	99.6 99.8	99.0	99.6 99.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
± 4560 ≥ 4000	99.0	99.8 99.8	99.5	99 . 8 99 . 8	99.8	99.8		99.9	99.9		99.9			99,9	99.9	99,9
≥ 3000	99.0	99.8 99.8		99.9	99.9		100.0		100.0	100 0	100.0	100.0	100.0	100.C	100.0 100.0	100.C
± 2500 ≥ 2000	99.0 99.6	99.8 99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0		100.0 100.0
≥ 1800 ≥ 1500	99.0	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200 ≥ 1000	99.5	99.8		99.9	99.9	99.9	100.0	100.0	100.0	100.0		100.C	100.0	100.0	100.0	100.0
2 906 2 800	99.5	99.8 99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700 ≥ 600	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	99.0	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100 C
2 300 ≥ 200	99.6	99.8	99.9	99.9	99.9	99,9	100.0	100.U	100.0	100 C	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	99.5	99.8 99.8			99.9						100.0 100.0					

19967

USAF ETAC 1984 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

C

## CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-72

<u> ที่กัพ</u>

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

- HOURS ! ST

CEILING							VIS	IBILITY (STA	ATUTE MIL	ES						
FEET	≥ 10	≥6	≥5	≥ 4	≥3	≥2'7	≥ 2	≥1;	≥1.	≥1	≥ ′₄	≥`•	≥ ,	≥5 16	≥ 4	≥0
S 50000 S EIFING	90.1 94.0	90.2 94.2	90.3	90.4 94.3		90.4		90.4	90,4				90.4	90,4	)	
≥ 18000 ≥ 16000	94.4			94.7	94.8	94.8 95.6	94.8	94.8	94.8 95.7		94.8	94.8	94.8	94.8	94.8	94.8
≥ 14000 ≥ 12000	96.6 97.8	98.0	94.1	93.2	98.2	98.2	98.2	98.2	97.0 98.2	98.2	98.2	98.2	98.2	97,1 96,2	97.1 98.2	98.3
≥ 10000 ≥ 9000	98.d 98.4	99.6	98.7	99.0	98.8	99.8	98.7 98.9	98.9	98.7 96.9	98.9				98.9	98.9	98.9
≥ 8000 ≥ 7000	95.8	99.3	99.4	99.2 99.5	99.5		99.5	99.5	99.3	99.5	99.6	99.6	99.6	99.6	99.5	99.6
≥ 6000 ≥ 5000	99.4	99.6	99.7	99.7	99.7		99.9	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 4500 ≥ 4000	99.4	99.7	99.8	99.9	99.9		99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500 ≥ 3000	99.4	99.7	99.8	99.9	99.9	99,9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500 ≥ 2000	99.4	99.7	99,8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800 ≥ 1500	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.4 99.4		99.8	37.3	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0
2 900 2 800	99.4	99.7	97.8	99.9	99.9		99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600 ≥ 500	99.4	99.7		99.9	99.9		59.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 400 2 30L	99.4	99.7	1 7	99.9	99.9	99.9	99.9	99.9	99,9	100.0	100.0	100.0	100.0	100.0	100.0	100 C
≥ 200	99.4	99.7	99.0	99.9	99.9	99,9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.4		99.8			99.9	99.9	99.9		100.0	100.0	100.0	100.0			100.0

TOTAL NUMBER OF OBSERVATIONS

19066

USAF ETAC (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

23111

LUKE AFB ARIZONA/PHOENIX 42-46,51-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	BILITY STA	ATUTE MIL	E\$ <sup>,</sup>		·				
FEET	≥10	≥6	≥5	≥ 4	≥ 3	≥2,	≥2	کان	≥1'.	≥1	≥ ;4	≥'•	≥ ,	≥ 5 16	≥ .	≥0
NO CEILING	72.3	72,6	72.7	72.7 80.9	72.7	72.7 80.9	72.8 80.9	72.8 80.9	72.8	72,8 81.0	72.8 81.0	72.8 81.0	72.8	72.8 81.0	72.8	72.8
≥ 18000 ≥ 16000	82.6	81,3	81.4 83.1	81.4 88.1	81.4	81.5	81.5 83.2	81.5 83.2	81.5 83.2	81.5 83.3	81.5	81.5 83.3	81.5	81.5	81.5 83.3	81.5
≥ 14000 ≥ 12000	68.2 93.3	88.6 93.7	28.7 93.8	88.8 93.9	94.0	88.8 94.0	88.9 94.0	94.0	88.9 94.1	88,9 94.1	88.9 94.1	88.9 94.1	88.9 94.1	94.1	88.9 94.1	88,9 94.1
≥ 9000	95.5	96.0	96.1	96.8	96.2	96.3	96.3 97.0	96,3	96.3 97.0	96.4 97.0	96.4	96.4	96.4	96.4	96.4	96.4
≥ 8000	97.7	97.6 98.3	97.7 98.5	97.8	97.9 98.7	97,9	98.0 98.8	98.0	98.0 98.8	98.1	98.1	98.1 98.9	98.1 98.9	98.1	98.1	98.2 99.0
≥ 6000 ≥ 5000°	98.1 98.3 98.4	98,8 99.0	98.9 99.2	99.0	99.4	99.4	99.2	99.5	99.3 99.5	99.3 99.6 99.7	99.3 99.6 99.7	99.3 99.6 99.7	99.4 99.7 99.7	99.4 99.7	99.4 99.7 99.7	99.4 99.7 99.8
2 4000 2 3500	93.4	99.1	99.3	99.3 99.4 99.4	99.5 99.5	99.5 99.6 99.6	99.6 99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8 99.8	99.8
≥ 3000	98.4	99.1	99.3 99.3	99.4	99.5 99.6	99.6	99.6	99.7 99.7	99.7	99.7 99.8	99.8	99.8	99.8	99 8 99 8	99.8 99.9	99.9
≥ 2000	98.4	99.2 99.2	99.3	99.4	99.6	99.5	99.7 99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9
2 1500	98.4	99.2	99.3	99.4	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99,8	99.9	99.9	99.9	99.9
≥ 1000	98.4 98.4	99.2		99,5	99.6	99.6	99,7	99.7	99.7	99.8	99.8	99,8	99.9	99.9	99.9	99.9
2 800 700 2 600	98.4	99.2	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99,8	99.8	99.8	99.9	99,9	99.9	99.9
≥ 500 ≥ 400	98.4	99.2	99.4	99.5	99.6	99,6	99.7 99.7 99.7	99.7	99.7 99.7 99.7	99.8 99.8	99.8 99.8	99.8	99.9	99.9	99.9	99.9 99.9
- 300 - 2 200	98.4 98.4 98.4	99.2	99.4 99.4	99.5	99.6	99.5	99.7	99.7 99.7	99.7	99,8	99.8 99.8	99.8 99.8	99.9	99.9	99.9	99,9
2 1X0 2 0	98.4 78.4	99.2		99.5	99.6	99.6	99,7	99.7	99.7		99.8	99.8 99.8	99.9		99.9	

TOTAL NUMBER OF OBSERVATIONS

19803

USAF ETAC ...... 0-14-5 (OL A) PPENOUS EDITIONS OF THIS FORM ARE OBSOLETE

1

# CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-71

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							viS	BILITY STA	ATUTE MILI	ES .						
fEE;	≥10	≥6	≥5	≥ 4	≥3	≥2 7	≥?	≥1 •	≥1.	≥1	≥ '4	≥٬۰	≥ ~	≥516	≥.	≥0
NO CEILING ≥ 20000	72.2	72,4	72.4	72.5 81.2	72.5	72.5 81.3	72.5 81.3	72.5 61.3	72.5 81.3	72,5	72.5 61.3	72.5 81.3	72.5	72.5	72.5	72.5 61.6
≥ 18000 ≥ 16000	41.5 83.2	81.8 83.5	81.9	81.9 83.6	62.0 83.7	82.0 83.7	82.0 83.7	82,0 83.7	82,0 83.7	32.0 83.7	82.0 83.7	82.C 83.7	82.0 33.7	82.0 83.7	82.0 83.7	82.0 83.8
≥ 14000 ≥ 12000	88.3 92.2	82.6 92.6	98.7	38.7 92.7	92.8	88 • 8 92 • 8	88.8 92.9	92.9	88.8 92.9	85.9 92.9	88.9 92.9	88.9 92.9	88.9 92.9	88.9 92.9	88.9 93.0	88.9 93.0
≥ 10000 ≥ 9000	94.2	94.6	94.7	94.7 95.5	94.8 95.6	94.8	94.9	94.9 95.7	94.9 95.7	94.9	95.0 95.7	95,0 95.7	95.0	95.0	95.0 95.6	95.8
≥ 8000 ≥ 7630	96.0	95.5	96.7 97.5	96.8	96.9 97.6	96.9	96.9 97.7	96.9	96.9 97.7	97.8	97.0 97.8	97.0 97.8	97.0 97.8	97.0 97.8	97.0	97.9
≥ 6000 ≥ 5000	97.4 97.5	98.2 95.6	98.4 98.8	98.9	98.6 99.0	98.6 99.0	98.6 99.1	98.7 99.1	96.7 99.1	98,8	98.8	98.8	98.8 99.3	98.8 99.3	98.9	98.9
≥ 4500 ≥ 4000	97.0		99.0		99.1	99.1	99.2	99,2	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.6
≥ 3500 ≥ 3000	98.0	98.8		99.2	99.3	99.4	99,4	99.5	99.5	99.6	99,6	99.6	99.6	99.6	99.6	99.7
≥ 2500 ≥ 2000	98.1	98.9	99.2		99.4	99.4	99.5	99.5	99.5	99.6	99.7	99.7	99.7	99.7 99.7	99.7	
≥ 1800 ≥ 1500	98.1	98,9	99.2	99.3	99.4	99.4	99.5	99.6	99.6	99.7		99.7	99.7	99.7	99.8	99,8
≥ 1000	98.1 98.1	98.9 98.9		99.3	99.4	99.5	99.6	99.6	99.6	99,7	99.8	99.7	99.8	99.8	99.8	99.8
≥ 900 ≥ 800	38.1 98.1	98.9	99.2	99.3	99.5	99.5	99.6	99.6	99.6	99,7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700 ≥ 800	98.1	98.9		99.3	99.5	99.5	99.6	99.6	99.6	99.8	99,8	99.8	99.8	99.8	99.8	99.9
≥ 500 ≥ 400 ≥ 300	95.1 98.1	98.9 98.9	99.2 99.2	99.3 99.3	99.5	99.5 99.5	99,6 99.6	99.7 99.7	99.7	99,6	99,8 99,8	99.8	99.9	99,9	99.9	99,9
≥ 200	98.1	98.9 98.9	99.2	99.3	99.5	99.5	99,7	99,7	99.7 99.7	99,8	99.9	99.9		99,9	99.9	100.0
≥ 00	98.1	98.9			99.5	99.5	99.7	99.7 99.7	99.7	99,9	99.9	99.9		1 2 2 5	100 · C	100.C

TOTAL NUMBER OF OBSERVATIONS

19314

USAF ETAC 1044 0-14-5 (OL A) MEMOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZGNA/PHOENIX 42-46,51-71

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CERUNG							VIS	BILITY STA	ATUTE MIL	ES						
FEET	≥10	≥6	≥ 5	≥ 4	≥3	≥2,	≥2	≥1.	≥1 .	≥1	24	≥'•	≥ າ	≥5 16	2.	≥0
NO CEILING	66.3	66.4	26.4	96.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 20000	89.2	89.3	89.4	89.4	89.4	89.4	89.4	29.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 18000	59.5	89,5	39.7	84.7	89.7	89 7	89,7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 16000	90.2	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 14000	92.1	92.2	92.2	92.3	92.3	92.3	92,3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92,3	92.3
≥ 12000	94.3	94.5	94,5	94.6	94.6	94.6	94.6	94.6	94.6	94,6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 10000	95.7	95.9	95.9	96.0	96.0	96.C	96.1	96,1	96.1	96.1	96.1	96.1	96.1	96,1	96.1	96.1
≥ 9000	96.2	96.4	96.4	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 8000	97.0	97.2	97.2	97.3		97.3	97.4	97,4	97.4	97,4	97.4	97.4	97.4	97,4	97 • 4	97.4
≥ 7000	97.5	97.7	97.	97.8	97.9		97.9	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0
≥ 6000	98.4	98.7	98.7	98.8	98.8	98.9	98,9	98,9	98.9	98.9	98.9	98.9	98.9	98,9	98.9	98.9
≥ 5000	98.8	99,0	99.1	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4500	98.0	99.1	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99,4	99.4	99.4	99.4	99.4	99.4	99.4
£ 4000	99.0	99.3	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6		99.6	99.6
≥ 3500 ≥ 3000	99.1	99.3	99.4	99.5	99.5	99.6	99,6	99.6	99.6	99,6	99.6	99.6	99.6	99.6	99.6	99.6
2 3000	99.2	99.4	99.5	99,6	99.7	99.7	99.7	99.7	99.7	99,8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 2500	99.2	99.5	99.6	99.6	99.7	99.7	99,7	99,5	99.8	99,8	99,8	99.8	99.8	99,8	99.8	99.8
≥ 2000	99.2	99.5	99.6	99.7	99.9	99.8	99.9	99.9	99.9	99.9	99,9	99.9	99.9	99.9	99.9	99.9
≥ 1800	99.2	99.5	99.6	99.7	99.8	99.8	99.9	99,9	99.9	99.9	99,9	99,9	99.9	99.9	99.9	99.9
≥ 1500	99.2	99.5	99.6	99,7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99,9	99.9	99.9
≥ 1200	99.2	99.5	99.6	99.7	99.8	99.8	98.9	99.9	99.9	99,9	99.9	99.9	99.9	99,9	99.9	99,9
≥ 1000	99.2	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99,9	99.9	99.9	99.9	99,9	99.9	99.9
≥ 900	99.2	99.5	99.7	99.7	99.8	99,8	99.9	99.9	99,9	99.9	99,9	99,9	99.9	99,9	99.9	99.9
≥ ,00	99,2	99.5	99.7	99.7	95.8	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
÷ 706	99.2	99.5	99.7	99.7	99.8	99.8	59.9	99.9	99.9	99,9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 600	99,2	99,5	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99,9	100.0	100.0	100.0	100.0
≥ 500	99.2	99,5	99.7	99.7	99.8	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.C	100.0	100,C
≥ 400	99,2	99.5	99.7	99.7	99.8	99.8	99.9	99,9	99.9	99.9	100.0	100.0	100.0	00.0	100.0	100.0
2 300	99.2	99.5	59.7	99.7	99.8	99.8	99.9	99.9	99,9	99.9	100.0	100.0	100.0	Loc. o	100.0	100.0
≥ 200	99.2	99.5	59.7	99.7	99.8	99.8	99.9	99.9	99,9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 00	99.2	99.5	99.7	99.7	99.8	99.8	99.9	99,9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.2	99.5	99.7	99.7	99.8	99.8	99.9			100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

18689

USAF ETAC 2.04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHUENIX 42-46,51-71

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY STA	ATUTE MIL	ES		·				
FEET	≥10	≥6	≥5	≥ 4	≥3	≥2 7	≥ 2	≥1,	≥1.	≥1	≥ 14	≥'•	≥ :	≥5 16	≥ .	≥0
NO CEILING ≥ 20000	84.3 19.5		84.5 89.9			84.6 90.1		84.6 90.0		04.6 90.0	90.0	90.0	84.6 90.0		90.0	20.0
≥ 18000 ≥ 18000	90.7	90.4 91.0	91.0	91.1	91.1	91.1	91.2	91.2	91.2		91.2	91.2		91.2	91.2	90.6
≥ 14000 ≥ 12000	93.9	94.2	92.5	94.3	94.3	94.3		94.4	94.4	54.4	94.4	94.4	92.6	94.4	94.4	
≥ 10000 ≥ 9000 ≥ 8000	94.9	95.5	95.3 95.6	95.6	95.7	95.7	95.7	95.7	95.7		95.7	95.7	95.7	95,7	95.4 95.7 96.7	95.7
≥ 8000 ≥ 7000 ≥ 6000	96.1 96.5 97.6		96.5 97.1 98.2	97.2	97.2	97.2	97.3		97.3		97.3	97.3	97.3	97.3	97.3	
≥ 5000	98.4	98.9			99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 4000	98.8 98.8	99.3		99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 3000	98.9 98.9	99.5		99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8		99.8	99.8	99.8	99.8
≥ 2000	98.9	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1500	99.0	<del></del>		99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	99.0 99.0	99.6		99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800 ≥ 700 ≥ 600	99.0	99.6	99.7	99.8		99,9	100.0	100,0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	99.0	99.5	99.7	99.8	99.9	99.9	100.0	100,0	100.0	100.0	100,0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	59.0	99.6	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100,0	100.0	100,0	100.0	100.0	100.0 100.0
≥ +00 ≥ 0	99.0		99.7	99.8	99.9	99.5	100.0	100,0	100.0	100.0	100,0	100.0	100:0	100.0	100.0	100.0 100.0 100.0

TOTAL NUMBER OF OBSERVATIONS

19309

USAF ETAC 1014 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 42-46.51-71

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST	ATUTE MILI	ES:						
FEET	≥10	≥6	≥ 5	≥ 4	≥3	≥2 2	≥ 2	≥1/	≥1'4	≥1	≥ ,₄	5,•	≥ יי	≥ 5 16	≥ .	≥0
NO CEILING ≥ 20000	79.5 86.2	86.7	80.1 80.8	80.1 86.8	80.1	80.1	80.1 86.9	80,1 86.9	80.1 86.9	8C.1 86.9	80.1 86.9	80.1	80.1 86.9	90.1 86.9	80.1 86.9	80.1 86.9
≥ 18000 ≥ 16000	87.9	87.6 88.4	87.7 88.5	87.7 88.5	87.7 88.6	87.8 88.6	87.3 88.7	87.8 88.7	87.8 88.7	57.8 88.7	87.8 88.7	87,8 88.7	87.8 88.7	87,8 88,7	87.6 88.7	87.8
≥ 14000 ≥ 12000	49.5 91.2	90.2	90.3 92 0	90.3	90.4	90.4	90.4	90.4 92.2	90.4	92.2	90,4	90.4	90.4	90.4	90.4	90,4
≥ 9000	92.7	93.5		93.7	93.8	93.8	93.9	93.9	93.9	93.9	93.7	94.3	93.9	93.9	93.9	93.9
≥ 8000 ≥ 7000	94.1	94.9	95.9	95.7	95.2	95,2	95.2 96.1	95,2 96,1	95.2	95.2 96.1	95.2 96.1	95.2 96.1	95.2	95.2 96.1	95.2 96.1	95.2
≥ 6000 ≥ 5000	95.9	96,8 97.8	98.0	98.1	98.2	97.2 98.2	97.2 98.3		97.2	97.2	97.2 98.3	97.2 98.3	98.3	97.2 98.3	97.2 98.3	97.2
≥ 4500 ≥ 4000	97.4	98.0 98.4	98.6		98.9	98.4	98.5	99.0	98.5	98,5	99.0		99.0	98.5		
≥ 3500 ≥ 3000	97.5	98.5	99.0	99.1	99.0	99.C	99.0	99.4	99.4	99.4		99.1	99.4	99.4	99.1	99.1 99.4
≥ 2500 ≥ 2000	98.0	99.0	99.4		99.4	99.5	99.5	99.8	99.5	99.8	99.8	99.8	99.8	99.8		99.8
≥ 1800 ≥ 1500 ≥ 1200	98.0 98.0	99.2 99.2	99.4	99.5		99.7 99.8 99.8	99.8 99.8 99.8	99,8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	
≥ 1000	98.0	99.2	99.4	99.5	99.7	99.8	99.9	99.9	99,9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	98.1	99.2	99.4	99.6	99.8	99.8	99,9	99,9	99.9	99.9	99.9		99.9	99.9	99.9	99.9
≥ 500	98.1	99.2	99.5	99.6	79.8		99.9	99.9	99,9	99.9	99,9	99,9	99.9	99.9	99.9	100.0 100.0
≥ 400 ≥ 300	98.1 98.1	99.2	99.5	99.0	99.8		99.9 99.9	99.9	99.9	10C.0	100.0	100.0	10C.0	100.0	100.0	100.0
≥ 200	98.1	99.2 99.2	99.5	99.5	99.8	99,8	99.9	99.9	99,9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.1	99.2					99.9	99.9		100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS ...

18321

USAF ETAC 100 04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

2311) LUKE AFB ARIZONA/PHOENIX

41-45,51-71

DEC

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS IL ST

CEILING							VIS	IBILITY (STA	TUTE MIL	ES:						
FEET	≥10	≥6	≥5	≥ 4	≥3	≥2 ′2	≥ 2	≥1 ⅓	≥1%	≥1	≥ 14	≥ %	≥ %	≥5 16	≥ 4	≥0
NO CEILING ≥ 20000	71.9	73.2	73.5	73.7	73.7	73.7 82.3	73.8 82.3	73.8 82.3	73.8 82.3	73.8	73.8	73.8	73.9 82.4	73.9 82.4	73.9 82.4	73.9 82.4
≥ 18000 ≥ 16000	80.8 81.7	82.4 83.3	83.6	82.9 83.8	83.0	83.0 83.9	83.0 83.9	83.1 84.0	83.1 84.0	83,1 84.0	83.1 84.0	83.1 84.0	83.1 84.0	83.1 84.0	83.1	83.2 84.1
≥ 14000 ≥ 12000	83.3 65.4	85.0	85.2 87.4	85.5	55.5 97.7	85.6 87.7	83.6 87.7	85.6 87.8	85.6 87.8	83.6 87.8	85.7 87.8	85.7 87.8	85.7 87.8	85.7 87.8	87.8	85.7 87.8
≥ 10000	87.9	89.5	89.9	90.1	90.2	89.3 90.2	89.3 90.3	89.3 90.3	89.3 90.3	89.4 90.3	89.4 90.3	89.4 90.3	90.4	89.4 90.4	89.4 90.4	90.4
≥ 8000 ≥ 7000	90.4	90.7	91.0 92.4	91.3	91.4	91.4	91.4	91.5	91.5	91.3	91.5	91.5	91.5	91.5	91.5	91.5
≥ 6000	91.7	95.1	95.4	94.0	94.1 95.7	94.2	94,2 95.8	94.2	94.2	95.9	94,3	94.3	94.3	94.3	94.3	94.3
≥ 4500 ≥ 4000 ≥ 3500	94.3	95.6 96.3 95.8	95.9	96.1	96.2 97.0	96.3	96.3 97.1	96,4	96.4 97.1	96,4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 3000 ≥ 3000 ≥ 2500	94.8 95.2 95.3	97.4	97.2 97.9 98.1	97.5 98.2 98.4	97.6 98.3 98.6	97 • 7 98 • 4 98 • 6	97.7 98.4 98.7	97,8 98.5 98.8	97.8 98.5 98.8	97.8 98.5 98.8	97.8 98.5 98.8	97.8	97.9 98.6 98.9	97.9 98.6 99.9	97.9 98.6 98.9	97.9 98.6 98.9
≥ 2000 ≥ 1800	95.5 95.6	97.9	98.4	98.8 98.8	98.5 98.9 99.0	99.0	99.1	99.1 99.2	99.1	98,8 99.2 99.3	99.2	98.8 99.2	99.2	99.2	99.2	99.2
≥ 1500	95.7	98.1 98.1	98.7	98.9		99.0 99.2 99.3	99.4	99.3	99.4	99.4	99.4	99.3 99.4	99.5	99.5 99.6		99.5
≥ 1000	95.8 95.8	98 2 98 2	98.7	99.1	99.3	99.4	99.5	99.6	99.6	99.6 99.6	99.5	99.6	99.7	99.7	99.7	99.7
≥ 800 ≥ 700	95.8	98.2 98.2	98.8 98.8	99.1 99.2	99.3	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600 ≥ 500 ≥ 400	95.8	98.2 98.2	98.8 98.8	99.2	99.3	99.4	99.6		99.7	99.7	99.7	99.7	99.8	99.8 99.8	99.8	99.8
≥ 300	95.8 95.8	98.2	98.8	99.2	99.4	99.5	99.6 99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9 99.9		99.9 99.9
≥ 200	95.8	98.3	98.9	99.2	99.4	99.5	99.7	99.8	99.8	99.8		99.8	99.9	99,9	99.9	99.9
≥ 0	95,6	98.3	98.9	99.2	99.4	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF ORSERVATIONS

19283

USAF ETAC JULIA 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 42-46,53-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000=0200

CEILING				-			VIS	IBILITY (ST	ATUTE MIL	ES:	··				•	
FEET	≥10	≥6	≥ 5	≥ 4	≥3	≥212	≥ 2	≥1 ⁄1	≥1'4	≥1	≥ ′₄	≥ %	≥ '⁄2	≥5 16	≥ 4	≥0
NO CEILING > 20000	78,9	79.3	79.3 85.2	79.4 85.3			79.6	79,6	79.6					. ,		
≥ 18000 ≥ 16000	85.2	55.5 86.4	85.5	85.5	85.7	85.8	85,8	8,83	85.8	85.8	85.8	85.8	85.5 85.8	85,5 85,8	85.8	85.5 85.8
≥ 14000 ≥ 12000	°7.8	88.1 90.0	88.1	88,2	88.3	88.3	86.7	88,4	1	88,4	88.4	88.4	86.8	86.8	88.4	88,4
≥ 10000 ≥ 9000	91.2	91.5	91.6		90.2		90.3		90.3			90.3	90.3	90.3		90.3
≥ 8000 ≥ 7000	92.4	92.9	92.9	93.1	93.2		92.2	93,3	92.2			92.2	92.2	92.2	92.2	92.2
≥ 6000 ≥ 5000	93.0	93.5	94.5	94.7	94.B	94.8	94.9	94.9	94.9		93.9	93.9	93.9			93.9 94.9
± 4500 ± 4000	95.4	96.1 96.9	96.1		96.4		96.5	96.5	96,5	96.5	96.5	96.5		96.5	96.5	96.5
≥ 3500	96.6	98.2	97.7	97.9	98.5	98.0	98.6	98.1	98.1		98.1	98.1 98.7	98.1	98.1 98.7	98.7	98.1
± 2500	97.5	98.8		99.1	99.5	99.3	99.4	99.4	99,4	99.4	99.4	99.4 99.7	99.4	99.4	99.4	98.7
≥ 2000	97.5	99.0	99.2	99.4	99.5	99.7					99.7	99.7	99.7	99.7	99.7	99.7
≥ 1500		99.0	99.2	99.4	99.6	99.7		99.7	99:7	99.7		99.8	99.8	99.8	99.8	99.8
≥ 1000	97.6	99.0 99.1	99.2	99.4	99.6	99:7	99.7	99.7	99.7	99,8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800		99.1	99.2	99.5	99.6			99,8 99,8	99.8 99.8	99.9	.OO • ON	100 a 01	100.00	100.00	00.01	00.0
≥ 600	97.6	99.1	99.2 99.2	99.5	99.6	99.7	99.8	99,8	99.8	99.9	00.0	00.0	00.0	00.01	00.01	0,00
≥ 500 ≥ 400	97.6	99.1	99.2	99.5	99.6	99.7	99.8	99,8	99.8	99,91	00.01	.00.0	00.0	00,0	00.01	00.00
2 200	97.6	99.1		99,5	99,6	99.7	99.8	99,8	99.8	99,41	00.01	00.0	00.0	00.01	00.01	00.0
≥ 100 ≥ 0		99.1	99,2	99.5	99.6	99.7	99.8	99.8	99.8	99.91	00.01	00.01	00.01	00.01	00.01	00.0

TOTAL NUMBER OF OBSERVATIONS

2393

USAF ETAC 10164 0+14+5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSCIETE

1

# CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 42-46,52-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING							VIS	BILITY (STA	JUTE MILI	ES:						
FEET	≥10	≥6	≥ 5	≥ 4	≥3	≥252	≥ 2	≥179	≥14	≥1	≥ ,⁴	≥'•	≥ ⁄2	≥ 5 16	≥'•	≥0
NO CEILING ≥ 20,000	76.0 84.2	79.4 84.6	78.4 84.7	78.5 84.8	78.8 85.0	78.8 85.0	78,8 85.0	78,8 85.0	78.8 85.0	78.8 95.0		78.8 85.1	78.9	78,9 85,1	78.9 85.1	79.0 85.2
≥ 18000 ≥ 16000	84.7	85.1 85.8	85.1 85.9	85.2	85.4	85.4 86.2	85.4 86.2	85.4	85.4 86.2	85,5 36,2	85.5	85.5	85,6 86.3	85.6 86.3	85.6 86.3	85.7
≥ 14000 ≥ 12000	86.6	85.7	87.0 88.7	87.1 89.9	87.3 89.1	87.3 89.1	87.3 89.1	87.3 89.1	87.3 89.1	87,4 89,1	87.4 89.1	87.4 89.1	87.4 99.2	87,4 89.2	87.4	87.6
≥ 10000 ≥ 9000	69.5 89.9	90.0	90.5	90.1 90.6	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.5	90.5	90.5	90.6
≥ 8000 ≥ 7000	91.2 92.2	91.8 92.3	92.8	92.9		92.2	92.2	92,2	92.2	92.2	92,3	92.3	92.3	92.3	92.3	92.4
≥ 6000 ≥ 5000	93.6 95.1	94.2	75.9	X,WW.	94.7	94.7	94.7	94.7	96.4	96.4	96.5	94.8	96.5	94.8	94.8	95.0
≥ 4500 ≥ 4000	95.6 36.0	96.8	95.4 96.9	97.0		96.8	96.9 97.4	96.9	96.9	97.1 97.6	97,1 97,7	97.1	97.7	97.2 97.7	97.7	97.3 97.8
≥ 3500 ≥ 3000	96.4 96.8	97.4 97.8	98.0	98.1	98.1 98.5	98.1 98.5	98.5	98.5	98.2	98.8	98.8	98.4	98.4 98.8	98.4 98.8		98.5
≥ 2500 ≥ 2000 ≥ 1800	96.9 97.0	98.1	98.3 98.4	49.4	98.9	98,8 98.9 99.0	98.8 99.0		98.9 99.0	99.0 99.2 99.3	99.2	99.1 99.2	99.3	99.1 99.3	99.2	99.3 99.4 99.5
≥ 1500 ≥ 1500	97.0 97.1	98.2 98.3 98.3	98.5		اء مما	99.2	99.3	99.3	99.3	99.5	99.5	99.5		99.5	99.5	99.7
≥ 1700	97.2	98.3 98.3	98.6	98.7	99.3	99.3	99.3	99,3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.8
≥ 800	97.2	¥	98.6	98.7	59.3	99.3	99.4	99.4	99.5	99.6 99.7	99.7	99.7	99.7	99.7	99.7 99.6	99.B
≥ 600	97.3	98.4	98.7	98.8	39.3	99.4	99.5	99.5	99.6	99,8	99.8	99.8	99.8	99.8	99.8	100.0
≥ 400	97.3	98.4	98.7	98.8	99.3	99.4	99.6	99.6	99.5	99.8	99.8	99.8	99.9	99.9	99.9	100.0 100.0
≥ 200	97.3	98.4	98.7	98.8	99.3	99.4	99.6	99.6	99.6	99,8	99.8	99.8	99.9		99.9	100.0
≥ 0	17.3	· 7		98.8	1											100.0

TOTAL NUMBER OF OBSERVATIONS

2405

USAF ETAC 101 64 0-14-5 (OL A) MEVICUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

22111 LUKE AFB ARIZONA/PHDENIX 42-46,52-72

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800

CEILING							VIS	BILITY (ST	ATUTE MII	LES:						
FEET	≥10	≥6	≥ 5	≥ 4	≥3	≥2'5	≥ 2	≥112	≥1'4	≥1	≥ 1,4	≥ 1/8	≥ 1/2	25/16	≥ .	≥0
NO CEILING ≥ 20000	73.6 60.7	74.1 81.0		74.2 81.0	74.4	74.4	74.6	74.6 81.5		74,6 81.6						74.8
≥ 18000 ≥ 16000	61.1 82.9	61.5 83.3	83.3	81.5	81.8	81.8				82,0	82.0	82.0	82.0			81.7
≥ 14000 ≥ 12000	84.5 87.1	84.8 87.5	97.5	84.9	85.1 87.8	85.2	85.3 88.0	85,4	85.4	85.4	83.8 85.4 88.1		83.8	83.8 85,4		84.0
≥ 10000 ≥ 9000	8.2 89.2	88.8 89.8	8 . 64 8 . 64	88.8	89.1 90.1	89.1 90.2	89.3	89.3 90.4	89.3		89.4	7 7 7 7	89.4	89.4	88.2	88.2
≥ 8000 ≥ 7000	90.3 90.8	90.9	90,9	91.0	91.3	91.4	91.5	91.0	91.6			90.5	90.5	90.5	90.6	91.7
≥ 6000 ≥ 5000	91.5 93.6	92.4 94.5	92.6	92.6	93.0	93.1 95.1	93.2	93,3	93.3	93.3	93.3	93.3	93.3	92.2		92.3
± 4500 ≥ 4000	94.1	95.0 95.7	95.1	95.2	95.6 96.4	95.7 96.5	95.8	95,9	95.9	96.0	95,4	95.4	95.4	95.4	95.5	95.6
≥ 3500 ≥ 3000	95.3 95.8	96.6	96.5	96.9	97.3	97.5	97.7	97.7	97.7	97.8	96.8	97.Ü			96.9	96.9 97.9
≥ 2500 ≥ 2000	96.0	97.5 97.6	97.7	97.9	98.3	98.4 98.5	98.6 98.8	98.7 98.8	98.4 98.7 98.8	98,8	98.5 98.8	98.5	98.8	98.5	98.6	98.6
≥ 1800 ≥ 1500	96.3	97.8	98.0	98.2	98.6	98.8	99.0	79.1 99.2	99.1	99.3	99.0	99.0	99.0	99.0	99.4	99.4
≥ 1200 ≥ 1000	96.3	97.8	98.1	98.2	98.7 98.8	98.8	99.0	99,2	99.2	99,3	99.3	99.3	99.3	99,3	99.4	99,5
≥ 900 ≥ 800	96.4	97.9	98.2	98.4	98.8 98.8	99.0	99.3	99.5	99.5	99.7	99.7	99.5	99.7	99.5	99.8	99.6
± 700 ≥ 600	96.4	97.9		98.4	98.8		99,3	99,5	99.5	99,7	99.7	99.7	99.7	99,7	99.8	99.8
≥ 500 ≥ 400	96.4	97.9	98.2	98.4	98.8 98.8	99.0	99.4	99.6	99.6	99,8	99.8	99.8	99.8	99.8		99.9
≥ 300 ≥ 200	96.4	97.9	98.2 98.2	98.4	98.8	99.0	99.4	99.6	99.6	99,8	99.8	99.8	99.8	99.8		0.00.
			98.2	98.4		99.0 99.0	99.4	99,6		99,8	99.8 99.8	99.8	99.8 99.8 99.8	99.8 99.8	99.91 99.91	0.00

TOTAL NUMBER OF OBSERVATIONS

2406

USAF ETAC NO. 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PLOENIX

42-46,52-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

<u>0900=1100</u>

									•						
						VIS	BILITY (ST	ATUTE MIL	ES,			***************************************			
≥10	≥6	≥5	≥ 4	≥3	≥2'7	≥ 2	≥1%	≥114	٤١	≥ 1,4	≥,•	≥ າ	≥ 5 16	≥ 14	≥0
69.3 77.6									70.4	70.4	70.4	70.4			
79.1	79.8	80.1	80.3	80.3	80.4	80.4	80.5	80.5	80,5	80.5	80.5	80.5			79.0 80.5
84.1	85.0	85.2	85.4	85.4	85.5	85,6	85.6	85.6	85.6	85,6	85.6	85.6	82.3 85.6	82.3 85.6	85.6
87.8	88.7	98.9	89.1	89.1	89.2	89.3	89,3	89.3	87.6 89,3	89.3	89.3		87.7	87.7 89.4	87.7
89.0	90.5	90.9	91.1	91.1	91.4	91.4	91.5	90.1	90.1	90.1	90.1	90.2	90.2	90.2	90.2 91.5
91.3	92.5	92.9		93.1	93.3	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	
92.9			94.9			94.8	94.9	94.9	94.9	94.9	94.9	95.0	95.0	95.0	95.0
			95.4	95.5	95.8	95.9	95.9	96.0	95.0	96.0	96.0	96.0	96.0	96.0	95.5 96.1
94.2	96.0	96.4	96.7	96.9	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.6	97.6	97.6	96.7 97.6
94.5	96.7	97.4	97.7	98.0	98.4	98,5	98.6	98.6	98.6	98.7	98.7	98.7	98.7	95.7	98.1 98.7
94.8	97.0	97.7	98.0	40.3	20.7	98.9	99.1	99.1	99.2	99.2	99.2	99.0	99,3		99.0
95.0	97.2	98.0	98.2	98.6	99.0	99.2	99,3	99.4	99.4	99.5		99.3	99.3	99.3	99.6
95.0	97.2	98.0	98.2	98.6	99.0	99.2	99.4	99.5	99.5		99.5	99.6	99.5	99.6	99.6 99.7
95.0	97,2	98.0	98.2	98.6	99.0	99.2	99.4	99.5			99.5	99.7	99.7	99.7	99.7
95.0	97.2	98.0 98.0	98.2	98.6	99.0	99.2	99,5	99.5	99,5	99,7	99.7	99.7	99.7	99.7	99.8
95.0	97.2	98.0	98.2	98.6	99 . 1	99.2	99.5	99.5	99,6	99,7	99,7	99.8	99.8	99.8	99.8
95.0	97,2	98.0	98,2	98.6	99.0	99.2	99.5	99.5	99,6	99.8	99.8	99.8	99.8	99,8	99,9
_	69.3 77.6 80.8 86.1 86.1 88.6 89.3 99.2 99.2 99.3 99.3 99.3 99.3 99.3 9	69.3 c9.8 77.6 78.3 79.1 79.8 80.8 61.6 84.1 85.0 86.1 87.0 87.8 88.7 88.4 89.4 89.0 90.6 91.3 92.5 92.9 94.3 92.5 93.9 92.9 94.3 93.2 94.7 93.5 95.1 94.2 96.0 94.4 96.3 94.4 96.3 94.6 96.7 94.8 97.0 94.8 97.0 94.8 97.0 94.8 97.0 95.0 97.2 95.0 97.2 95.0 97.2 95.0 97.2 95.0 97.2 95.0 97.2 95.0 97.2 95.0 97.2	59.3 C9.8 70.0 77.6 78.3 78.6 79.1 79.8 80.1 80.8 61.6 81.9 84.1 85.0 85.2 86.1 87.0 87.2 87.8 88.7 88.9 88.4 89.4 89.6 89.6 90.5 90.9 90.3 91.4 91.7 91.3 92.5 92.9 92.5 93.9 94.2 92.9 94.3 94.7 93.2 94.7 95.2 92.9 94.3 94.7 93.2 94.7 95.2 93.5 95.1 95.5 94.2 96.0 96.4 94.4 96.3 96.8 94.4 96.3 96.8 94.6 96.7 97.4 94.8 97.0 97.7 94.8 97.0 97.7 95.0 97.2 98.0 95.0 97.2 98.0 95.0 97.2 98.0 95.0 97.2 98.0 95.0 97.2 98.0	59.3 c9.8 70.0 7c.2 77.6 78.8 79.1 79.8 80.1 8c.3 80.8 81.6 81.9 82.0 84.1 85.0 85.2 85.4 86.1 87.0 87.2 87.4 87.8 88.4 87.0 87.2 87.4 87.8 88.4 89.4 89.6 89.6 89.6 89.6 90.5 92.5 92.5 92.7 94.8 97.0 97.7 98.0 98.2 95.0 97.2 98.0 98.2	59.3 C9.8 70.0 7C.2 70.2 77.6 78.3 78.8 78.8 79.1 79.8 80.1 80.3 80.3 80.8 81.6 81.9 82.0 82.0 84.1 85.4 85.4 85.4 85.4 85.4 85.4 85.4 85.4	69.3 c9.8 70.0 7c.2 70.2 7c.2 77.6 78.3 78.6 78.8 78.8 78.9 79.1 79.8 80.1 8c.3 80.3 80.4 80.4 85.5 86.1 87.0 87.2 87.4 87.4 87.5 87.8 87.0 87.2 87.4 87.4 87.5 87.8 88.4 89.4 89.6 89.6 89.6 89.6 89.6 90.9 91.1 91.1 91.4 91.3 92.3 88.4 89.4 91.7 91.9 91.9 92.2 91.3 92.5 93.6 92.9 93.1 93.1 93.2 92.5 93.6 92.9 93.1 93.1 93.2 92.5 93.6 92.9 93.1 93.1 93.2 92.5 93.6 92.9 93.1 93.1 93.2 92.5 93.6 92.9 93.1 93.1 93.2 92.5 93.6 92.9 93.1 93.1 93.2 92.5 93.6 92.9 93.1 93.1 93.2 92.5 93.6 94.2 94.4 94.5 94.7 92.9 94.3 94.7 94.9 95.0 95.2 93.4 95.5 95.8 92.5 93.6 94.2 94.4 94.5 94.7 92.9 94.8 94.7 95.2 95.4 95.5 95.8 92.2 94.6 95.0 97.2 98.0 98.2 98.6 99.0 98.2 98.6 99.0 97.2 98.0 98.2 98.6 99.0 97.2 98.0 98.2 98.6 99.0 97.2 98.0 98.2 98.6 99.0 95.0 97.2 98.0 98.2 98.6 99.0 99.0 99.0 99.0 99.0 99.0 99.0 99	≥10 ≥6 ≥5 ≥4 ≥3 ≥27 ≥2  69.3 c9.8 70.0 7c.2 70.2 7c.3 70.3  77.6 78.3 78.6 78.8 78.8 78.9 78.9  79.1 79.8 80.1 8c.3 80.3 80.4 80.4 80.4  80.8 61.6 81.9 82.0 82.0 82.1 82.2  84.1 85.0 85.2 85.4 85.4 85.5 85.6  86.1 87.0 87.2 87.4 87.4 67.5 87.6  87.8 88.7 88.9 89.1 89.1 89.2 89.3  88.4 89.4 89.6 89.8 89.8 9c.0 9c.1  89.0 90.5 90.9 91.1 91.1 91.4 91.4  90.3 91.4 91.7 91.9 91.9 92.2 92.3  91.3 92.5 92.9 93.1 93.1 93.3 93.4  92.5 93.5 92.9 93.1 93.1 93.3 93.4  92.5 94.7 95.2 95.4 95.5 95.8 95.9  92.2 94.7 95.2 95.4 95.5 95.8 95.9  93.2 94.7 95.2 95.4 95.5 95.8 95.9  93.2 94.7 95.2 95.4 95.5 95.8 95.9  93.3 95.1 95.5 95.7 95.9 96.3 96.4  94.4 96.3 96.8 97.1 97.4 97.7 97.9  94.5 96.7 97.4 97.7 98.0 98.2 98.5 98.7  94.8 97.0 97.7 98.0 98.2 98.6 99.0 99.2  95.0 97.2 98.0 98.2 98.6 99.0 99.2  95.0 97.2 98.0 98.2 98.6 99.0 99.2  95.0 97.2 98.0 98.2 98.6 99.0 99.2  95.0 97.2 98.0 98.2 98.6 99.0 99.2  95.0 97.2 98.0 98.2 98.6 99.0 99.2  95.0 97.2 98.0 98.2 98.6 99.0 99.2  95.0 97.2 98.0 98.2 98.6 99.0 99.2  95.0 97.2 98.0 98.2 98.6 99.0 99.2  95.0 97.2 98.0 98.2 98.6 99.0 99.2  95.0 97.2 98.0 98.2 98.6 99.0 99.2  95.0 97.2 98.0 98.2 98.6 99.0 99.2  95.0 97.2 98.0 98.2 98.6 99.0 99.2  95.0 97.2 98.0 98.2 98.6 99.0 99.2  95.0 97.2 98.0 98.2 98.6 99.0 99.2	≥10 ≥6 ≥5 ≥4 ≥3 ≥27 ≥2 ≥17  69.3 c9.8 70.0 7c.2 70.2 7c.3 7u.3 7c.4  77.6 78.3 78.6 78.8 78.9 78.9 79.0  79.1 79.8 80.1 8c.3 80.3 80.4 80.4 80.5  80.8 61.6 81.9 82.0 82.0 82.1 82.2 82.2  84.1 85.0 85.2 85.4 85.4 85.5 85.6 85.6  87.0 87.2 87.4 87.4 67.5 87.6 87.6  87.8 88.7 88.9 89.1 89.1 89.2 89.3 89.3  88.4 89.4 89.6 89.8 89.8 9c.0 9c.1 90.1  89.3 91.4 91.7 91.9 91.1 91.4 91.4 91.5  90.3 91.4 91.7 91.9 91.9 92.2 92.3 92.3  92.5 93.9 94.2 94.4 94.5 94.7 94.8 94.9  92.9 94.3 94.7 95.2 95.4 95.5 95.8 95.9 95.9  93.2 94.7 95.2 95.4 95.5 95.8 95.9 95.9  93.3 95.1 95.5 95.7 95.9 96.3 96.4 96.5  94.4 96.3 96.8 97.1 97.4 97.7 97.9 96.0  94.4 96.3 96.8 97.1 97.4 97.7 97.9 96.0  94.5 96.7 97.4 97.7 98.0 98.2 98.6 99.0 99.2 99.4  95.0 97.2 98.0 98.2 98.6 99.0 99.2 99.4  95.0 97.2 98.0 98.2 98.6 99.0 99.2 99.4  95.0 97.2 98.0 98.2 98.6 99.0 99.2 99.4  95.0 97.2 98.0 98.2 98.6 99.0 99.2 99.4  95.0 97.2 98.0 98.2 98.6 99.0 99.2 99.4  95.0 97.2 98.0 98.2 98.6 99.0 99.2 99.4  95.0 97.2 98.0 98.2 98.6 99.0 99.2 99.4  95.0 97.2 98.0 98.2 98.6 99.0 99.2 99.4  95.0 97.2 98.0 98.2 98.6 99.0 99.2 99.4  95.0 97.2 98.0 98.2 98.6 99.0 99.2 99.5  95.0 97.2 98.0 98.2 98.6 99.0 99.2 99.5  95.0 97.2 98.0 98.2 98.6 99.0 99.2 99.5	≥10 ≥6 ≥5 ≥4 ≥3 ≥27 ≥2 ≥17 ≥1.  69.3 c9.8 70.0 7c.2 70.2 7c.3 70.3 7c.4 70.4 77.6 78.3 78.6 78.8 78.8 78.9 78.9 79.0 79.0 79.0 79.1 79.8 80.1 8c.3 80.3 80.4 80.4 80.5 80.5 80.5 80.8 61.6 81.9 82.0 82.0 82.1 82.2 82.2 82.2 84.1 85.0 87.0 87.2 87.4 87.4 87.5 87.6 87.6 87.6 87.6 87.6 87.8 88.4 89.4 89.6 89.8 89.8 90.0 90.1 90.1 90.1 90.1 88.4 89.4 89.6 89.8 89.8 90.0 90.1 90.1 90.1 90.1 90.3 88.4 89.4 89.6 89.8 89.8 90.0 90.1 90.1 90.1 90.1 90.3 91.4 91.7 91.9 91.9 91.9 92.2 92.3 92.3 92.3 92.5 93.9 94.2 94.4 94.5 94.7 94.8 94.9 94.9 92.9 92.9 94.3 94.7 94.9 95.0 95.2 95.3 95.4 95.4 95.5 95.8 95.9 95.9 96.0 92.9 94.3 94.7 94.9 95.0 95.2 95.3 95.4 95.4 95.5 95.8 95.9 96.0 98.0 94.2 94.4 94.5 94.7 94.8 94.9 94.9 94.9 94.9 94.9 94.9 94.9	69.3       69.8       70.0       76.2       70.2       70.2       70.3       70.4       80.3       80.4       80.4       80.5       80.5       80.5       80.5       80.6	210       26       25       24       23       22°       22       21°       21       21       21         69.3       C9.8       70.0       7c.2       7c.3       7u.3       7c.4       7o.4       8o.4       8o.4       8o.4       8o.4       8o.4       8o.4       8o.5       8o.5       8o.5       8o.5       8o.5       8o.5       8o.5       8o.5       8o.5       8o.6       9o.6       9o.7       9o.1	\$\frac{\gamma_{9.9}}{69.3}\$ \$\frac{\gamma_{9.9}}{69.3}\$ \$\frac{\gamma_{9.9}}{79.4}\$ \$\frac{\gamma_{9.9}}{99.4}\$ \$\	\$\begin{array}{c c c c c c c c c c c c c c c c c c c	210 26 25 24 23 22 21 21 21 21 21 21 21 22 21 25 16 27 3 29 25 16 27 3 29 3 29 3 29 3 29 3 29 3 29 3 29 3	\$\begin{array}{c c c c c c c c c c c c c c c c c c c

TOTAL NUMBER OF OBSERVATIONS

2397

USAF ETAC 104 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PROFINIX 42-46.52-72

MALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING							VIS	BILITY (STA	TUTE MIL	ES:	··					
FEET	≥10	≥6	≥5	≥ 4	≥3	≥2 ?	≥2	≥1'2	≥!'4	≥1	≥ ¼	≥,*	≥ ⁄1	≥5 16	≧ '4	≥0
NO CEILING ≥ 20000	05.6 78.8	66.5 80.4	66.9 no.8	80.9	67.U	67.0 80.9	67.0	67.0 80.9	67.0 80.9	67.0 80.9	67.0 80.9	67.0 80.9	67.0	67.0 80.9	67.0 80.9	80.9
≥ 18000 ≥ 16000	79.7 81.2	81.3 82.8	81.8 93.2	81.5	81.9	81.9 83.4	81.9 83.4	81.9 83.4	81.9 83.4	81.9 83.4	81.9 83.4	81.9	81.9 83.4	81.9 82.4	81.9 83.4	83.4
≥ 14000 ≥ 12000	83.5 85.9	65.1 67.5	85.6 85.0			85.7 88.1	85.7 88.1	85.7 88.1	85.7 88.1	85.7 88.1	85.7 88.1	85.7 88.1	85.7 88.1	85.7	85.7 88.1	85.7
≥ 10000 ≥ 9000	67.4 88.0	89.8	90.3	90.3	89.6 90.4	89.6 90.4	89.6 90.4	89.6 90.4	90.4	89.6 90.4	89,6 90.4	89.6 90.4	89.6 90.4	90.4	90.4	89.6 90.4
≥ 8000 ≥ 7000	49, U	90.8	92.1	91.4	92.3	91.5	92.5		91.5			91.5		91.5	92.3	91.5 92.3 93.2
≥ 6000 ≥ 5000	90.0 92.1	94.0	94.6		93.2 94.7 95.2	93.2 94.7 95.2	93.2	93,2 94,7 95,2	93.2 94.7 95.2	93.2 94.7 95.2	94.7	93.2 94.7 95.2	93.2 94.7 95.2	93.2 94.7 95.2	93.2 94.7 95.2	94.7
≥ 4000	93.1	95.0	95.7	95.1 95.8 96.7	95.9	96.0 96.9	95.2 96.0 96.9	96.0	96.0	96.0	96.0			ا مسد		96.0
≥ 3000	94.3	96.5	97.2	97.4 97.7	97.5	98.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6 98.0
≥ 2000	94.8	97.3	98.1	98.3	98.5	98.6		98.6	98.6	98.6	98.6	98,6		98.6	98.7	98.6
≥ 1500	94.9 95.0	97,5		98.7	98.8	99.0	99.0		99.2	99.0	99.0	99.0				99.0
≥ 1000	95.1	97.8	98.7	99.0	99.1	99.3	99.3			99.5	99.5		99.5		99.5	
2 700	95.1 95.1	97.8	98.8	99.0	99.3	99 . 4	99,5	99.5	99.5	99,6	99.6	99.6	99.7	99,7	99.7	
≥ 600 ≥ 500 ≥ 400	95.1	97.9	98.9	99.2	99.5	99.6	99.7	99.8	99.8	99,9	99.8 99.9	99.9	99.9	99,9	99,9	
2 300 ≥ 200	95.1 95.1	98.0 98.0 98.0	99.0	99,3	99.5	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100,0	100.0	100.0
الله الله	95.1	<del></del>	99.0	99.3	99.5	99.7		99,9	99.9	100,0	100.0	100.0	100.0	100,0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2404

USAF ETAC ... 44 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHDENIX 42-46,52-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING							VIS	IBILITY (ST)	ATUTE MIL	ES,						
FEET	≥10	≥6	≥ 5	≥ 4	≥3	≥2'7	≥ 2	≥1 2	≥1'4	≥1	≥ ,⁴	≥ ', ,	≥ 7	≥5 16	≥ .	≥0
NO CEILING ≥ 20000	64.3 78.3	65.7 80.2	65.7	65,7	65.7 80.3	65.7 80.3	65,7 80,3	65.7	65.7	65.7	65.7 80.3	65.7 80.3	65.7	65.7 80.3	65.7 80.3	65,7 80.3
≥ 18000 ≥ 16000	79.7 81.4	81.6	21.7 23.4	81.7 83.4	81.7 83.4	81.7 63.4	81.7 83.4	81.7 83.4	81.7	81.7 83.4	81.7 83.4	81.7 83.4	81.7	81.7 83.4	81.7 83.4	81.7
≥ 14000 ≥ 12000	рз.5 86.4	85.9 68.3	85.9 88.3	85.9 88.3	85.9 86.3	85.9	85.9	85.9 88.3	85.9 88.3	85,9 88.3	85.9 88.3	85.9 88.3	85.9 88.3	85.9 88.3	85.9 88.3	85.9
≥ 10000 ≥ 9000	58.0 58.6	69.9 90.6	90.0	90.0	90.0 90.6	90.0	90.0 90.6	90.0	90.0	90.6	90,0 90,6	90.0	90.0	90.0	90.0 90.6	90.0
≥ 8000 ≥ 7000	90.2	91.4	91.4	91.4	91.4	91.4	91.4	51.4 92.3	92.3	91.4	91,4	91.4	91.4	91.4		91.4
≥ 6000 ≥ 5000	91.d 93.1	93.9 95.5	94.0	94.0	94.0	94.0	94.0 95.5	94,0 95,5	94.0	94,0	94.0	94.0	94.0 95.5	94,0	95.5	94.0 25.5
≥ 4500 ≥ 4000	93.7	96.0	96.1	96.1	96.1	96.1	96.1 96.9	96.9	96.1 96.9		96.1 96.9	96.9	96.1 96.9	96.1		96.1 96.9
≥ 3500 ≥ 3000	94.8	97.4 98.0	97.5 98.2	97.6 98.3	97.6 98.3	97.6 98.3	97.6 98.3	98.3	97.6 98.3		97.6 98.3		98.3	97.6	98.3	97.6 98.3
≥ 2500 ≥ 2000	95.6	98.5			98.4	98.4 99.0	98.5	98,5	98.5		99.5	98.5	98.5	98,5	39.0	98.5 99.6
≥ 1800	95.8	98.7	98.8 98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.2	99.0	99.2	99.2	99.0	99.2	99.0
≥ 1200	95.8	98.7		99.0 99.2	99.1	99.4	99.1	99.2	99.2	99.2	99.5	99.5	99,2	99.2		99.2
≥ 900 ≥ 800	95.8	98.8		99.2	99.5	99.5	99.5	99.5	99.6	99.7	99.5	99.6	99.6	99.6	99.7	99.6
≥ 700 ≥ 600	95.8	98.8 98.8		99.3	99.5	99.5	99.6	99,8	99.8	99.8	99,8	99.8	99.8	99,8 99,8	99.8	99.8
≥ 500 ≥ 400	95.8	98.9 98.9	99.2	99.3	99.6	99.6	99.7			100.0	100.0	99.9 100.0	100.0	99,9 100.0	100.0	99.9
≥ 300 ≥ 200 ≥ 100	95.8	98.9			99.6		99.7	**************************************	100.0	100.0		100.0	160.0	100.0	100.0	100.0 100.0
≥ 100	95.8 95.8			99,3	99.6		99.7	100.0	100.0	100.0	100.0 100.0	100.0	7	100.0		100.0 100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC JULIA 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM APE OBSCIETE

# CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHDENIX 42-46,52-72

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-3000

CEILING		· · · · · · · · · · · · · · · · · · ·	,				VIS	IBILITY (ST	ATUTE MIL	ES,		<del></del>			···········	
	≥10	≥6	≥ 5	≥,	≥3	≥2⅓	≥ 2	≥11,	≥1'.	21	≥ /4	5,*	≥ .	≥ 5 16	≥ .	≥0
NO CEILING ≥ 20000	70.9	71.2 51.5	71.3	71.3	71.3	71.3	71.3	71.3		71.3 82.0			71.3			
≥ 16000	83.2	•	82.6	82.7	82.7	82.7 84.1	82.7 84.1	82,7	82.7	82,7 84.1	82.7 84.1	82.7	82.7	82.7	82.7	82.7
≥ 14000 ≥ 12000	85.7	86.5 89.3	86.6	84.7 89.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	84.1	84.1	86.7	86.7
≥ 10000 ≥ 9000	89.7 90.2	90.5	90.8	90.9	90.9	90.9 91.5	90,9	90.9	90.9	90,9	90.9	90.9	90,9	90.9	90.9	90.9
≥ 8000 ≥ 7000	91.0	92.8	92.1	92.2	92.2	92.2	92.2	92,2	91,5	91.3	92,2	91.5	91.5	91.5	91.5	91.5
≥ 6000 ≥ 50%	93.5	94.4		94.7	94.7	94.7	94.7	94.7	94.7	94.7	93.1	94.7	94.7	93.1 94.7	94.7	94.7
2 450∪ ≥ 4000	95.7 96.2	96.7	97.3	97.2 98.0	97.2	97.2 98.1	97.2	97,2 98.1	97.2	96.3	96.3	96.3	97.2	96.3	96.3	96.3
≥ 3500 ≥ 3000	96.5	97.9	98.6	98.3	78.3 98.7	98.4 98.8	98.4 98.8	98.4	98.4	98.4	98.1 98.4	98.1 98.4	98.4	98.4	98.4	98.1 98.4
≥ 2500 ≥ 2000	95.7	98.3	98.7	98.9	98,9	99.0	99.0	99,0	98.8	98.8	98.8	98.8 99.0	98.8	98.8	98.3	98.8
≥ 1800 ≥ 1500	97.1 97.2	98.7 98.7	99.2	99.3	99.3	99.4	79.5	99.5	99.5	99,5	99.5	99.5	99.5	99,5	99.5	99.5
≥ 1200 ≥ 1000	97.2	98,7 98,8	99.2	95.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99,6	99.6	99.6	99.6	99.6
900 ≥ 800	97.2	98.8	99,3	99.5	99.5	99.6	99.7	99,7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2 700 ≥ 600	97.2 97.2	98,8	99.3	99.5	99.5	99.6	99.7	99,7	99.7			99.8	99.8	99.8	99.8	99.8
≥ 500 ≥ 400	97.2	98.8 98.8 98.8	99.3	99.5	99.6	99.6	99,8	99,7	99.7		99.9	99.7	99.9	99.9	99.9	93.9
≥ 300 ≥ 200	57.2 97.2	98,8	99.3	99.5	99.6	99,7	99,8	99,8	99,81	00.01	00.01	00.01	00.01		00.01	00.0
≥ 100 ≥ C	97.2	98.8	99.3	99.5	99.6	99.7	99.5		99,81	00.01	00.01	00.01	.00.01	00.01	00.01	00.0
	97.2	98.8	99.3	99.5	99.6	99.7	99.8	99,8	99.81	00.01	00,01	00.01	00.00	oc. oi	00.01	00.0

TOTAL NUMBER OF OBSERVATIONS

2399

USAF ETAC 100 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

LUKE AFB ARIZONA/PHOENIX

42-46,52-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET							VIS	IBILITY IST	ATUTE MIL	ES.						
	≥10	≥6	≥5	≥4	≥3	≥2 7	≥ 2	≥1,	≥1 ₄	≥1	≥ 1,	≥ - •	≥ %	≥ 5 16	≥ .	≥0
NO CEILING ≥ 20000	77.8 55.5	79.3 86.1	78.3		78.4	78.4 86.2	78.4	78,4 86,2	78.4 86.2	78,4 86.2		78.4 86.2				
≥ 18000 ≥ 16000	85.9 86.5	86.5 87.1	86.6 87.2	86.6	86.7	86.7	86.7 87.3	86.7 87.3	86.7	86.7 87.3	86.7 87.3	86.7	86.2	86.7	86.2	86.7
≥ 14000 ≥ 12000	88.5	90.9	89,3	69.3 91.1	89.4	89.4	89.4 91.1	89,4	89.4	89.4	89.4	89.4	87.3	87.3	89.4	89,4
≥ 10000 ≥ 9000	91.0	91.7	91,8		92.0	92.0	92.0 92.3	92,0	92.0			91.1 92.0	91.1		91.1 92.0	91.1
≥ 8000 ≥ 7000	92.3 93.1	93,0 93.8	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93,3		92.3	92.3	92.3	92.3	
≥ 6000 ≥ 5000	94.3	95.0		95.3	95.3	95.3	95.3	95,3	95.3			94.1	94.1 95.3	95.3	94.1	
≥ 4500 ≥ 4000	95.8 96.5	96,9	97.1	97.2	97.2 98.2	97.2	97.2	97,2	96.6	96.6	97,2		97.2	96.6	97.2	96.6
≥ 3500 ≥ 3600	97.0 97.2	98.5	98.7	98.8	98.9	98.9	98,9	99,0	98.2		98.2	98.2	98.2	98.2	98.2 99.0	98,2 99,0
≥ 2500 ≥ 2000	97.2	99.0	99.2	99.4	99.5	99.5	99.6	99.5	99.5	99,5	99.5	99.5	99.5	99.5	99.5	99.6
≥ 1800 ≥ 1500	97.2	99.0	99,3	99.4	99.5	99.6	99.7	99.7	99.7	99,7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200 ≥ 1000	97.2	99.0	99.3	99.5	99.7	99.7	99.8	99,8	99.8	99,8	99.8		99.8	99.8	99.8	99.8
≥ 900 ≥ 800	97.2	99.0 99.0	99.3	99.5	99.7	99.7	99.8	99,9	99.9		99.9	99.9	99.9	99.9	99.9	99.9
≥ 700 ≥ 600	97.2	99.0	99.3	99.5	99.7	99.7			99.9	99,9	99,9	99.9	99.9	99.9	99.9	99,9
≥ 500 ≥ 400	97.2	99.0	99.3	99.5	99.7	99.7	99,81	00.01	00.01	99.9	.00.01	00.01	00.01	99.9	99.9	99.9
≥ 300 ≥ 200	97.2	99,0	99.3	99.5	99.7	99.7	99.81	00.01	CO.01	00 01	00.01	00.01	00.01	00.01	<u>ာ၀ • ၀ </u>	00.0
≥ 100	97.2	99,0	99.3	99,5	99.7	7701	77.01	00 • UL	00 • 011	00 01 00 01 00 01	.00 - 01	00.01	.00 - 01	00.03	. CC . O1	00.0

TOTAL NUMBER OF OBSERVATIONS

2393

USAF ETAC 100 0+14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

LUKE AFB ARIZONA/PHOENIX

42-46,52-72

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

CEILING							VIS	BILITY ST	ATUTE MILI	F\$						
FEET	≥10	≥6	≥5	≥ 4	≥3	≥2,	≥ 2	≥1 2	≥1.	21	≥ 24	≥'₁	≥:	≥ 5 16	≥ .	≥0
NO CEILING ≥ 20000	78.5	78.5 84.7	78.6 84.8	78.5 84.8		78.6 84.8		78,6 85.0	78.6 85.0			78.6 85.0	78 • 6 85 • 0			78,6 85.0
≥ 18000 ≥ 16000	85.1 86.0	85.2 86.1	85.3	85.3	85.3 86.2	85.3 86.2	85.3 86.3	85.4 86.4	85.4 86.4	85.4	85.4 86.4	85.4	85.4	85.4 86.4	85.5	85,5
≥ 14000 ≥ 12000	88.3 90.5	88,3 90,5	83.4 90.6	88,4	88.5	88.5 90.7	90.7	90.8	90.8	88,6 90.8	88.6 90.8	88,6 90.8	88.6	88,6 90.8	90.9	90.9
≥ 10000 ≥ 0000	92.0 92.4	92.4	92.2	92.2	92.3	92.3		92.4	92.4	92.4	92.7	92,4	92.4	92.4	92.5	92.5
≥ 8000 ≥ 7000	94.3	93.4	93.5	93.5	94.7	93,6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	94.8	93.8	94.9
≥ 6000 ≥ 5000	95.8	96.0 97.5	97.7	96.2 97.7	96.3	96.3 97.8		96,4 97,9	97.9		96,4	96.4	97.9	96,4	98.0	96.4
≥ 4500 ≥ 4000 ≥ 3500	97.5	98.2	98.0	98.4	98.5	98 • 1 98 • 5		98.3 98.6	98.6	98.6	98.6	98.3	98.6	98.3	98.7	98.3
≥ 3500 ≥ 3000 ≥ 2500	98.1 98.4 98.5			99.0	99.1	98.8 99.2 99.4	99,3	99.3	98.9 99.3 99.5	99.3	99.3	99.3	99.3	99.3	99.0 99.4 99.6	99.4
≥ 2000 ≥ 800	98.7	99.2	99.3	99.4	99.5		99.6	79.7	99:7	99.7	99.7	99.7	99.7	99.7	99.8	99.8
≥ 1500	98.7	99.3	99.4	99.5	99.6	99.7	99.7	99.8	99.8	99.8		99.8	99.8	99.8	99.9	99,9
2 1000 2 900	98.8	99.3	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99,9	99.9	99,9	99.9	99.9	100.0	100 · C
≥ 800	98.8						99.9	100.0	200.0	100.0	100.0	100.0	100.0			100.0
2 500	98.8					99,8	99.9	100.0 100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0
≥ 400	98.8	59,3	99.5	99.6	99.7		99,9	100.0 100.0	100.0 100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0 100.0	100.C
≥ 100	98.8	99,3	99,6	99.6	99.7	99.8	99,9	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98,8	99.3	99.6	99.5	99.7	99.8	99.9	100,0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2136

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 42-46,52-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING		-					VIS	IBILITY ST	ATUTE MIL	ES:						
1 1661	≥10	≥6	≥5	≥ 4	≤3	≥2 >	≥ 2	≥1',	≥1.	≥1	≥ '₄	≥ ',	≥ 7	≥5 16	≥ .	≥0
S SUOCO NO CEITING	78.7	79,0 85.1	79.0 85.2	79.0	79.2	79,2 85.3	79.2 85.3	79,2 85.3	79.2	79,2 85,3	79.2	79.2	79.2	79,2	79.2	79.2
≥ 18000	85.2 85.9	85,4	85,4 86.2	85.4	85.6	85.5 86.4	85.6 86.4	85.6 86.4	85.6	85,6 86,4	85.6	85.6	85.6	85.6	85.6 86.4	85.6 86.4
≥ 14000 ≥ 12000	87.7	87.9 89.9		88.0	88.1	88.1 90.1	88.1	88.1	88.1	88.1	38,1	88.1	88.1	88,1	88.1	88.1 90.1
≥ 10000 ≥ 9000	91.6	91.9	92.0 92.8	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 8000 ≥ 7000	93.5	93.9	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94,1	94.1	94.1
≤ 6000 ≥ 5000	95.8 97.1	96.2	96.2 97.5	96.2	96.4	96,4	96,4	96,4	96.4 97.7	96.4	96,4	96.4	96.4	96,4	96.4	96.4 97.8
≥ 4500 ≥ 4000	97.4	97.9 98.0		97.9 98.1	98.1	98.1	98.1 98.3	98.3	98.1 98.3	98.1 98.3	98,1 98,3	98.1	98.1	98.1	98.1	98.2 98.3
≥ 3500 ≥ 3000	97.8 98.2	98.4	98.5	98.9	98.6	98,6	98.6	98.6	98.6 99.1	98,6	98.6	98.6 99.1		98.6	98.6	98.7
≥ 7500 ≥ 2000	98.5	99.2	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99,5	99.5	99.5		99.5	99.5	99.5
≥ 1800 ≥ 1500	98.7 98.7	99.4	99.5	99.5	99.7	99.8	99,8 99,8	99.8	99.8	99,8		99.8 99.8	99.8	99.8	99.8	99.8
≥ 1200 ≥ 1000	98.8	99.5	99.6	99.6	99.6	99,9	99.9	99.9	99.9	99,9	99.9	99,9	199.9		99,9	99,9
2 900 2 809	98.9	99.6	99.7	99.7	99.9	100.0	00.0	100,00	00.0	,00,0	00.0	00.0	100.0	00.0		100.0
2 700 ≥ 600	98.9 98.9	99.6	99.7	99.7	99.9	100.0	00.0	100,0	00.0	100.0	00.00	.00.0	100.0	00.0	00.0	00.0
≥ 500 ≥ 400	98.9 98.9	99.6	99.7	99.7	99.9	100.0p	00.0	100.0	.00.0	100.0	00.0	.00.0	100.0	00.00	00.00	00.0
≥ 300	98.9 98.9	99.6	99.7	99.7	79.9	100 00	00,0	100 • 00	.00,00	100.0	.00.0	.00 • 0	100.00	.00.01	00.00	00.0
≥ 100 ≥ 0	98.9 98.9	99.6	99.7	99.7 99.7	99.9	100.0	00.0	100,00	.00.0	100.0	00.00	.00.00	100.00	00.00	00.00	00.0

TOTAL NUMBER OF OBSERVATIONS

2135

USAF ETAC 12164 0-14-5 (OL A) MEYOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

LUKE AFB ARIZONA/PHOENIX

42-46,52-72

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800

CEILING							VIS	BILITY ST	ATUTE MIL	ES						
FEET	≥10	≥6	≥5	≥4	≥3	≥2,	≥ 2	≥1 ,	≥1.	1≤	≥ 14	≥'•	≥ ;	≥5 16	≥ .	≥0
NO CEILING ≥ 20000	75.2 82.3	75.2 82.4	75.2	75.3 82.5	75.3	75.3	75,3	75,3 82.5	75.3	75.3 82.5	75.3	75.3	75.3		75,3	
≥ 18000 ≥ 16000	84.3	83.0	83.0 84.4	83.1 84.5	83.1	83,1	83.1	83.1	83.1	83,1 84.5	83,1	63.1	83,1	82.5 83.1	83.1	82.5
≥ 14000 ≥ 12000	85.8 88.6	85.9	85.9 80.7	86.0	86.0 88.8	86.0 88.8		86,0 88.8	86,0		86.0	86.0	86,0	86,0	86.0	86.0
≥ 10000 ≥ 9000	90.8	91.0 91.6	91.0 91.6	91.0 91.6	91.0	91.0	91.0	91.0	91.0		91,0 91,5	91,0	91.0	91.0	91.0	91.0
≥ 8000 ≥ 7000	92,6	92.7	92.7 93.8	92.8	92.8	92.8	92,8	92.8	92,8	92.8	92,8	92,8	92,8 93.9	92.8	92.8	91.6
≥ 6000 ≥ 5000	95.0	95.3 97.1	95,3	95.3	95.3	95.3	95.3	95.3	95.3	95,3	95,3	95.3	95.3	95.3	95.3	93.9
≥ 4500 ≥ 4000	97.2 97.8	97.7	97.8	97.8	97.8	97.8	97.8	97,8	97,8	97,8 98.5	97.8	97.8	97.9	97.9	97,9	98.0
≥ 3500 ≥ 3000	98.1 98.4	98.6	98.7	98,8	98.8	98.8	98,3	98,8	98.8	98,8	98,8	98.8	98,9	98,9	98.9	98.6
≥ 2500 ≥ 2000	98.6	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99,3	99.3	99.3	99,4	99,4	99.4	99.5
≥ 1800 ≥ 1500	96.7	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99,6	99.6	99.5	99.7	99,7		99.8
≥ 1200 ≥ 1000	98.7	99.2	99.4	99.6	99.7	99.7	99,7	99.7	99,7	99,7	99,7	99.7	99.8	99.8	99.8	99.9
≥ 900 ≥ 800	98.5	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99,8	99.8	99.9	99,9	99,91	00.0
≥ 700 ≥ 600	98.8	99,4	99,5	99.7	99.8		99.8	99.8	99,8	99.8	99,8		99.9	99,9		00.0
≥ 500 ≥ 400	98.8	99.4	99,5	99.8	99.8		99.8	99.8	99.8	99,8		99,8	99.9	99,9	99.91	00.0
≥ 300 ≥ 200	98.8	99,4	99.5	99.8	99.8		99.8	99,8	99.8	99,3	99.8	99,8	99.9	99,9	99,91	00.0
≥ 100 ≥ 0		99.4	99.5	1	99.8	99.8	99,8	99,8	99,8	99,8		_ 1 9 -1	99.9	99,9	99,91	00.0

TOTAL NUMBER OF OBSERVATIONS

2137

USAF ETAC 1998 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

22111 LUKE AFB ARIZONA/PHOENIX 42-46-52-72

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING							vis	IBIL:TY .ST	ATUTE MIL	ES						
fEET	≥ ;∪	≥ 6	≥5	≥ 4	≥3	≥2;	<b>∠</b> 2	<u></u> ≥	۱ اے	≥1	≥ 74	≥'•	≥ >	≥5 16	≥ .	≥0
> 20000 ≥ 20000	73.6 82.9	73,7 83,1	73,5	73.8	73.8	73,8 83.2	73.8	73,8	73,8	73,8	73.8	73.8	73,8	73,8 83.2	73,8	73,5
≥ 18000 ≥ 16000	84.4	93,5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83,7	83,7	83,7	83.7	83.7	83.7	83,
≥ 14000 ≥ 12000	86.3	86,4	86.6	86.6	86.6	86.6 88.7	86,6	86.6	86.6	86,6	86,6	86.6	86.6	86,6	86,6	86,6
≥ 9000 ≥ 9000	90.5	90.7	90.9	90,9	90.9	91.0	91.0	91,0	91.0	91,0	91.0	91,0	91.0	91,0	91,0	91,0
≥ 8000 ≥ 7000	92.3	92,6	92.7	92.8	92.8	92.9	92,9	92.9	92.9	92.9	92,9	92,9	92.9	92,9	92/9	92,9
≥ 6000 ≥ 5000	94,8	95.2	95.3	95,4	95.5	95.6	95,6	95.0	75.6	95,6	95,6	95,6	73,6	93,6	95,6	95,6
≥ 4500 ⊇ 4000	96.3	96.8	96.9	97,0	97.1	97.1	97.1	97.1	97.1	<del>70,7</del>	97,1	97,1	97.1	97.1	97.1	96.9
± 3500 ≥ 3000	97.8	98.4	98.5	98,6	98,7	98,8	98,8	98.8	78,8	78,8	78,8	78,8	98.8	98,8	98.8	98,9
≥ 2500 ≥ 2000	98.3	98.9	99.1	99,2	99.3	99.4	99,4	99,4	99.4	99,4	99,4	99.4	99.4	99.3	99,4	99,4
≥ 1800 ≥ 1500	98.5	99.2	99.3	99,4	99.6	9967	99,7	99.0	99,7	79,6	99,7	99,7	99.7	99.6	99,5	99.6
2 1200 ≥ 1000	98.5	99.2	99.3	99.4	99.6	99.7	99,7	99,8	99,8	99,7	99,8	99,8	99.7	99.8	99.7	99.7
≥ 900 ≥ 800 ≥ 800	98.6	99.2	99.3	99.4	99.6	99.7	199,8	99,9	99,9	99,9	99,9	99,9	99.9	99,9	99,9	99,9
± 700 ≥ 600	98.6	99.3	99.4	99,5	99.7	30,0	99,8	99,9	77,7	99,9	99,9	99,9	99,9	99,9	99,9	99,9 99,9
≥ 500 ≥ 400	98.6	99.3	90.4	99.5	99.7	99.8	99,8	99,9	99,9	الفائ هما	00,0		59.9	99.9	99.9	99.9
2 300 2 200	98.6	99.3	99,4	99.5	99.7	99,8	99,8	99,9	99,9		00.0		00.0	00,00	00,01	00.0
≥ 10C 2 C	98,6	99.2	99.4	99.5	99.7	99,8	77,77	00 0	00.01	00,0	00.01	00 -01	00.00	00.01	00.01	00.0

TOTAL NUMBER OF OBSERVATIONS

2137

USAF ETAC 2004 0-14-5 (OL A) MEMOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 42-45-52-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1400=1400

CEILING		·		<del></del> -			VIS	IBILITY (ST	TUTE MIL	E٦٠						
IFEET	≥10	≥6	≥5	≥ 4	≥3	≥2'?	≥ 2	≥1'2	≥114	≥1	≥ '•	≥,*	≥ ,	≥3 16	≥ .	≥0
NO CEILING ≥ 20000	70.3	70,8	70.9	71.0	71.0	71.0	71.0	71,0	71.0	71,0	71.0	71,0	71.0	71.0	71.0	71,0
≥ 18000 ≥ 16000	82.4 83.4	83.8	83.9	2210	83.0	83.9	53.0 83.9	82.9	83.9	83,0 84,0	83.0 84.0		89.0	83,0 84,0	84.C	84.0
≥ 14000 ≥ 12000	85.1	85.6	85.7	85.7	85.7	85 /7 148	80.2	85,7	85.7	85,8	85,8	85,8	85,8	85,8	85,5	85,8
≥ 10000	88.6	89.1 89.7	89.3	89.4	89.4	89.4	89,4	89,4	87,4	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 8000 ≥ /000 ≥ 6000	90.4	90.5	90,8	90.9	91.3	90,9	90.9	90,9	90,9	90.9	90,9	90,9	91.4	90.9 91.4 92.9	91.4	90,9
≥ 5000 ≥ 5000 ≥ 4500	91,7 93,3 94.1	92.6	92.7	92.8 94.5 95.4	94.6	94.6	92,9	94.0	1 177 1	92,9	92.9 94.6 95.5	94.6	94.6	94.6	94.6	92,9
≥ 4000	95.3	96.2	96.4	96.5	96.6	96.6	96.6	1 1 7 7 1	96.6	A 7.34	96.7	96:7	96.7	96.7	96.7	96.7
≥ 3000	97.0	98.5	98.7	98.4	98.0	98.6	98.6	98.5	98.6	98.6	98.6	98.6	98.5	98.6	98.6	98.6
≥ 1300	97.5	98.7	98.9	99.0	99.3	99.3	99.3	99,3	99.3	99.3	99,3	99,3	99.5	99,1	99,3	99,5
≥ 1500 ≥ 1200 ≥ 1000	97.8	99.0	99.3	99.4	99.7	99,6	99,6	99,6	99,6	99,6	99,6	99.6	99.6	99,5	99,6	99.5
≥ 900 ≥ 800	97.8	99,1	99,4	99,5	99.8	99.8	99.8	99.8	99.8	99.8	99,8	99,8	99,8	99,8	99,8	99.8
≥ 730 ≥ 600	97.8	99.1	99.4	99.5	99.8	99,5	99,8	99.5	99.8	99.8	99,8	99,8	99.	99,8	99.8	99,8
÷ 500 ≥ 400	97.8	89.1	99,4	99.5	99.8	99.5	199,8	99.5	\$9.8	99,9	99,9	100.0	199.9	99,9	99.9	99.9
≥ 300 ≥ 200	97,9	99.2	99.	99.6		99.9	99,9	100.0	100.0	100,0			100.0	100,0	100.0	100.0
> 100 > 0	97.9 97.9	99.2	99.	99.6	1 44 7 11	99.9		100.0		100,0			100.0		100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC (CC - 2 14-5 (OL A) PREVIO EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHDENIX 42-46,52-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING							VIS	BILITY (STA	ITUTE MILI	ES						
FEET	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2'2	≥ 2	≥172	≥1'₄	≥1	≥ 34	≥'•	≥ '5	≥ 5 16	<b>≥</b> '•	≥0
NO CEILING ≥ 20000	68.2 80.4	68,5	68.6	<b>58,6</b> 80.8	68.6	68,6	68.6 80.8	68.7	68.7	68,7	68.7	68.7	68.7	68,7	68,8	68,8
≥ 18000 ≥ 15000	81.7 83.1	82.0	82.1 83.5	82,1	82.1	82.1	82.1	82.2	82.2 83.6	82.2	82.2	82,2 83,6	83.6	82.2	82.3	82.2
≥ 14000 ≥ 12000	84.8	85,1	85,3	85,3	85.3	85,3 87,4	87,4	85,4	87.5	87,5	87.5	87.5	87.5	87.5	87.6	87,6
≥ 10000 ≥ 9000	88.7	89.7	89,3	89,3	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90-0	90.0	90.0
≥ 8000 ≥ 7000 ≥ 6000	90.4	90,9 91,9 93.5	91.1 92.1 93.7	91,1	92.1	92.1	92.1	91,2	9242	92.2	92.2	92.2	92.2	91,2 92,2 93,8	92.3	92.3
≥ 300 ≥ 4506	94.9	95.4	95.7	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.3	95.8	95.8	95.8	95.9	95.9
≥ 4000	96.9	97.5	97.7	97.8	97.8	97.3	98.4	97.9	98,5	98,5	97.9	97.9	98.5	97.9	98.0	98.0
≥ 3000 ≥ 2500	97.5	98.4	98.9	98.7	98.9	98.9	99,1	99.0	99.0	99,0	99.0	99.0	99.0	99.0	99,3	99,1
≥ 2000 ≥ 1800 ≥ 1500	97.9	98.6	99.0		99.2	99.2	99,2	99,4	99,4	99,4	99,4	99,4	99,4	99,4	99.4	99,5
≥ 1200 ≥ 1000	98.0 98.0 98.0	98.7 98.7 98.8	99.1	99.2	99.4	99,5	99.5	99.6	99,7	99.6	99,7	99,7	99.7	99.6	99.8	99.8
≥ 900 ≥ 800	98.0	98.8	99,2		99.7	99:7	99.8	99.9	99,9	99,9	99,9	99,9	99,9	99,9		100.0
± 700 ≥ 600	98.0 98.0	98.8 98.8	99,2	99,3	99.7	99:7	99,8	99,9	99,9			99,9	99,9	99,9	100.0	100.0
≥ 500 ≥ 400	98.0	98.4	99.2	99.7	99.7	99;7	99,8	99,9	99.9	99.9	99,9	99,9	99.9	99,9	100.0	100.0
≥ 300	98.0	98.8	99.2	99.3	99.7	99,7	99,8	99,9	99,9	99.9		99.9	99.9	99,9	100.0	
≥ 100 ≥ 0	98.0		1 1333	99,3	99.7	9947	99.8	99,9	99,9		99,9			99.9		100,0

TOTAL NUMBER OF OBSERVATIONS

\$130

USAF ETAC 10164 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

22111 LUKE AFB ARIZONA/PHOENIX 42-46,52-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING							VIS	BILITY IST	ATUTE MIL	ES.						
FEET	≥10	≥6	≥5	≥ 4	≥3	≥2'ז	≥ 2	≥1'2	≥1'₄	≥1	≥ 34	≥'•	٠ ج	≥ 5 16	≥ .	≥0
NO CEILING ≥ 20000	73.5	73.7	73.7	73,7	73.7	73 /7	73.7	73.7	73,7	73,7	73,7	73,7	73.7	73.7 82.6	73,7	73.7 82.6
≥ 18000 ≥ 16000	83.6	83.7	83.7	83.8	83.8	83,8 85,2	83,8	83,8 85,2	83.8 55.2	83,8 85,2	83,8 83,2	83,8 85,2	83.5 85.2	83,8	83,8 85,2	83,8
≥ 14000 ≥ 12000	88.1 89.7	88.3	88,3	90.0	88.5 90.1	90.1	90.1	88.5	88,5 90.1	90.1	90.1	90.1	88,5 90.1	58.5 90.1	90.1	88,5
≥ 10000 ≥ 9000	91.3	91,5 92,5	91.5 92.5	91.6	92.6	91,6	91,7	91.7	91.7	91,7	91,7	92.7	91.7 92.7	91,7	92.7	91.7 92.7
≥ 8000 ≥ 7000	93.4	93,6	93.6	93.7	93.8	93,8	93,8	93,8	93,8	93,8	93.8	93,8	93.8	93,8	93,8	93.8
≥ 6000 ≥ 5000	96.7	95.7	95.8	97.3	95.9	95,9	96.0	96,0	97.4	96,0	96,0 97,4	95.0	96,0	96.0	97.4	96.0
≥ 4500 ≥ 4000	97.9	97.5	97.6	98.6	97.7	97 (7 98 - 6	97,8	98.0	97.8	97,8	93.6	97.8	98.6	97,8 98,6	97.8	97.8 98.6
≥ 3500 ≥ 3000	98.1	98,8		99.0	99.0	99.0	99,0	99.2	99.2	99,2	99,0	99,0	99.0	99,0	99.2	99.0
≥ 2500 ≥ 2000	98.2	98,9	99.0	99.3	99.3	99,4	99.3	99.3	99.5	99,3	99,3	99,3	99.3	99,3	99,3	99.5
≥ 1800 ≥ 1500	98.2	99.2	99.2	99.4	99.6	99.5	99,5	29,6		99,5	99,3	99,5	99.5	99,5	99,5	99.5
≥ 1200 ≥ 1000	98.3		99.3		99.6	99.6 99.7	99,7	99,7		99,7	99,7	99.17	99.7	99.7	99,7	99.7
≥ 900 ≥ 800	98.3		99.5	99.7	99.9		100.0	100.0	100.0	99.9	100.0	100.0	100.0	99 9 100 0	100.0	100.0
≥ 700 ≥ 600	98.3	99.4	99,5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.6	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	98.3	99.4	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100,0
≥ 300 ≥ 200	98.3	99.4	99.5	99.7	99.9	99.19	100.0	100.0	100-0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	98.3	1 1 1 7 1	99.5	1 1 7 4	99.9	99.9	100,0	100.0	100.0	100.0	100.0	107.0	100.0	100,0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2141

USAF ETAC 101.54 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

23111

LUKE AFB ARIZONA/PHOENIX 42-46,52-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING						, ·	VIS	IBILITY (ST	ATUTE MIL	ES		· · · · · · · · · · · · · · · · · · ·		_		
FEET	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2'2	≥ 2	≥11/2	≥1.4	≥1	≥ '₄	≥ '•	≥ .	≥ 5 16	٤.	≥0
NO CEILING ≥ 20000	76.2 84.0	76.3	76.3	76.3 84.1	76.3 84.1	76,3 84.1	76,3	76.3	76,3	76,3	76,3 84.1	76,3	76.3	76,3	76.3 84.1	76.3 84.1
≥ 18000 ≥ 16006	84.7 86.1	84.7	84,8 86.2	64.8 84.2	84.6	84.8 84.2	84.8	84.8	84.8	84,8	84.8	84.8	84.8	84.8	84,8	84,8 66,2
≥ 14000 ≥ 12000	90.6	88.8 90.7	88.9	86.9 90.7	88.9	90.7	85.9	88,9 90,7	90.7	90.7	90.7	58,9 90,7	88.9	90.7	90.7	88.9
≥ 10000 ≥ 9000	92.6	92.7	92.7	92,7	92.7	92.7	92,7	93.7	92,7	92.7	92,7	92,7	92.7	92.7	92.7	92.7
≥ 8000 ≥ 7000	94.1	94.3 95.1	94,4	94.4	94.4	94,4	94,4	94,4	94.4	94,4	94,4	94,4	94.4	94,4	94,4	94.4
≥ 6000 ≥ 5000	96.7	97,0 98,2	97,0	97,0	97.0	97.0	97,0	98.3	97.0	97,0	98.3	97,0	95.3	97.0	97.0 98.3	97.C
≥ 4500 ≥ 4000	98.1	98.4	98,5	98.7	98.5	98,5	98,5	98,5	98.5	98.7	98,7	98.7	98.7	98,5	98,5	98.7
≥ 3500	98.4	98.7	98.8	98.9	98.9	98,9	98,9	98.9	98,9	96,9	98.9	99.5	99.5	98.19	98,9	98.9
≥ 2506 ≥ 2900	98.7 98.7 98.7	99.2	99,3	99.7	99.7	9947	99,7	99.7	99.7 99.7 99.7	99,7	99,7 99,7	99.7	99.7	99,7 99,7	99.7 99.7 99.7	99.7
≥ 1800 ≥ 1500 ≥ 1200	98.8	99.2 99.3	99,3	99.7 99.7 99.8	99.8	99.7 99.8 99.8	99,7	99.7 99.8 99.8	99.8	99,7 99,8	99.8	99.8	99.8	99.8	99.8	99.8
÷ 1000	98.9	99.4	99.5	99.9	90.9	99.9	199,9	99.9	99.9	99,9	99.9	99.9	99.9	99,9	99.9	99.9 99.9
≥ 800 ± 700	98.9	99.4	99.5	99.9	199.9		199.9	99.9	99.9		99,9	99,9		99.9	99.9 99.9	99.9 99.9
2 600	98.9	99,4	99.6	99.9		100:0	100.0	200.0	100.0	100	100.0		100.0	100.0	100.0	100 0 100 0
≥ 409 ≥ 300	98.9	99.4	99.6	99.9		100.0	100.0	100.0	100.0	00.0	100.0	100.0	100.0	100 C	100.0	100.0
≥ 100	98.9	99.4	99.6	99.9		100.0	100.0	100.0	100.0	200.0	100.0	100.0	100.0	100 C	100.0	100.0
- 0 - 2	98,9				100.0										0.00	

TOTAL NUMBER OF OBSERVATIONS

3144

USAF ETAC 10164 0-14-5 (OL A) PREVIOUS FORTONS OF THIS FORM ARE OBSCIETE

## CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 42-45,52-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

CEILING							VIS	IBILITY (ST	ATUTE MIL	ESı			<del></del> -			
FECT	≥ 10	≥6	≥ 5	≥ 4	≥3	≥21⁄2	≥2	≥1 7	≥1'4	≥1	≥ '₄	≥',	≥ 2	≥ 5 16	≥14	≥0
NO CHUNG ≥ 20000	82.8	82.9	82.9	82.9	83.1	83.1	83.1 89.1	83,1	83.1	83,1	83.1	83.1	83 · 1	83.1	83.1	83.1
≥ 18000 ≥ 16000	89.0 89.6	89.1 89.7	89.1	69.1 89.7	89.2 39.8	89.2	89.2 89.6	89.2 89.8	89.2 89.8	89,2 89.8	89.2 89.8	89.2 89.8	89.2	89.2	89.2 89.8	89.2 89.8
≥ 14000 ≥ 12000	90.6	90.7		90.7	90.8 92:7	90.8	90.8	90.8	90.8	90.8	90.8	90.8		90.8	90.8	92.7
≥ 10000	93.0		93.5	93.1	93.6	93.3	93.6	93.6	93.3	93.6	93.6	93.3	93,6	93.6	93.3	93.6
≥ 8000 ≥ 7000	94.7		95.7	94.8	95.8		95.8	95.8	95.8	94.9	95.8	95.8		95.8	94.9 95.8	95.8
≥ 6000 ≥ 5000	97.7	97.9	97.9	97.9	98.0	98.0	99.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	97.0 98.0	98.0
≥ 4500 ≥ 4000 ≥ 3500	97.9	98.1 98.4	98.4	99.4			98.5	98.5	98.2	98.5	98.5	98.2	98.5		98.2 98.5	98.5
≥ 3000	98.9 99.2 99.3	99.4	99.4	99.4	99,6	99.3 99.6 99.7	39.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 2500 ≥ 2000 ≥ 1800	99.4	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.7	99,7	99.8	99.7	99.8	99.8		99.8
≥ 1500	99.5	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.5	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.c
> 800	99.5	99.9	99.9	99.0	100.0 100.0	100.0	200.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.C
≥ 600 ≥ 500	99.5	99.9	99.9	99.9	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.6
≥ 466	99.5	99.9		99.9	100.0	100.0 100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0 100.0	100.0 100.0
> 200	99.5	99.9	99.9	99.9	100.0	100.0	100.0	100.0 100.0	100.0 100.0	100.0	100.0	100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0
≥ 0	99.5				100.0											

TOTAL NUMBER OF OBSERVATIONS

2313 ,

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM APE DISSOLETE

# CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 42-45:52-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300=0500

CEILING (FEET)							VIS	BILITY (ST	ATUTE MIL	ES.						
	≥10	≥6	≥5	≥ 4	≥3	≥2%.	≥ 2	≥1;	≥1'4	≥1	≥ 14	≥`•	≥,	≥5 16	٠ ڍ	≥0
NO CEILING ≥ 20000	81.3	51.5 87.7	81.5 87.8	81.5 87.8	87.8	81.6	81.6 97.8	81.6	81.6 97.8	81.7	81.7	81.7	81.7	81.7		81.7
≥ 18000 ≥ 16000	87,9	88.1 88.6	38.1	88,1	88.2 88.7	88.2	88.2	86,2 66.7	88.2 36.7	88.2	88,2	87.9	88.2	88.2	87.9	88.2
≥ 14000 ≥ 12000	89,3	89.5 91.3	89.5 91.3	89.5	89.6	89.6	89,6	89,6	89.6	88,8 89,7	89.7	89.7	89,7	89,7	88.8	89.8 89.7
≥ 10000 ≥ 9000	92.0 92.8	92.2 92.9	92.3	92.3	92.3	92.3	92.3	92,3 93.1	92.3	92,4	91.5	92.4	92.4	91.5	91.5	91.5
≥ 8000 ≥ 7000	93.8	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94,2	94.2	94.2
≥ 6000 ≥ 5000	95.7	96.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	94.9	94.9	96.0	96.0
≥ 4500 ≥ 4000	97.8	97.7	97.7	97.7	97.8	97,8	97.8	97.8 98.1	97.8	97.9	97.9	97.1	97.9	97.9	97.1	97.1 97.9
≥ 3500 ≥ 3000	98.9	8.88	98.8	98.8	98.9	98,9	98.9	98,9	98.9	99.0	98.2	98.2	98.2	98.2	98.2	98.2
≥ 2500 ≥ 2000	97.1	99.4	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99,4	99,4	99.4	99.4	99.4	99.7	99.4
≥ 1800 ≥ 1500	99.3	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99,9	99,9	99.9	99,9	99.9	99.9	99.9
≥ 1200 ≥ 1000	99.3	99.7	99.7	39.7	9.9	99.9	99.9	99.9	99.9	99,9	99.9	99.9	99.9	99.9	00 . C1	00.0
≥ 900 ≥ 800	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99,9	99.9	99,9	99,9	59.9	99,9	99,91	00.01	00.C
≥ 700 ≥ 600	99.4	99.7	99.7	99.8	99.9	99,9	99.9	99.9	99.91	00.02	00.01	00.01	00.01	00.01	00.01	00.0
≥ 50U ≥ 400		99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.91	00.01	00.01	00.01			00.01	
≥ 330 ≥ 200		99.7	99.7	99,8	99.9	99.9	99,9	99,9		00.01	00.01	00.01	00.01	1 1 1	00.01	00.0
- ^		. 1	99.7	99.8	99.9	99.9	99,9	99.9	99,91	00.01	00 - 01 00 - 01	00.01	00.01		00.01 00.01	

YOTAL NUMBER OF OBSERVATIONS

2311

USAF ETAC 1/16 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS LOOM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 42-45-52-73

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

<u>0600÷080c</u>

CEILING							VIS	BILITY (STA	ATUTE MILI	ES,						
FEE1	≥10	≥6	≥5	≥ 4	≥3	≥2′⁄2	≥ 2	≥1';	≥1%	≥1	≥ ¹₄	≥'•	≥ ¾	≥5 16	≥ .	≥0
NO CEILING ≥ 20000	74.6	74.9 82.9	75.0 92.9	75.0	75.1 83.1	75.1 83.1	75.1 83.1	75,1 83,1	75.1 83.1	75.1 83.1	75.1 83.1	75.1 83.1	75.1 83.1	75.1 82.1	75.1 83.1	75.1 83.1
≥ 18000 ≥ 16000	85.2	85.5	83.8	83.9 85.6	83.9	83.9 85.7	83.9		83.9	84.0 95.9	84.0 85.8	84.0	84.0	84.0 35.8		34.0 85.8
≥ 14000 ≥ 12000	87.4	67.8 89.7	87.8	87.9 89.8	88.0 89.9	88.C 89.9	88.0 89.9	88.0	88.0	88,0 89,9	88.0	88.0 89.9	89.9	86.0 89.9	88.0	88.C
≥ 10000 ≥ 9000	90.7	91.5	91.1 91.6	91.1 91.6	91.2	91.7	91.2	91.2 91.7	91.2 91.7	91.2 91.8	91,2 91.8	91.2	91.2 91.8	91,2 91,8	91.2 91.8	91.2
≥ 8000 ≥ 7000	92.5	92.9	92.9	93.0	93.0	93.0	93.0 94.1	93.0	93.0	93,1	93,1	93.1	93.1	93.1	93.1	93.1
≥ 6000 ≥ 5000	94.5	94.9	95.0		95.2	95.2	95,2 96.0	96.0	95.2	95.2	95.2	95.2 96.1	95.2	95,2 96.1	95,2 96.1	95.2
≥ 4500 ≥ 4000	95.6	96.1 96.6	96.8	96.8	96.3	96.3	96.3 97.0	96.3	96.3	96,4	96,4	96 64	96.4	96,4	96.4	96.4
≥ 3500 ≥ 3000	96.6	97.2	98.1	98.2	97.5	97,5 98,4	98.4	97.6 98.4	98.4	97,6	97,6 98,5	98.5		97.6	97.6 98.5	97,6 98.5
± 2500 ± 2000	97.5	98.3	98.7	98.6	99.1	98.8	98,8 99,1	98.8	98.8	98,9	98,9	98,9	99,2	98.9	98.9	98.9
≥ 1800 ≥ 1500	97.7	98.5		98.9	99.4	99,1	99.4	99.4	99.2 99.4	99,3	99.5	99.5	99.5	99.5	99.5	99.3
≥ 1200	97.9	98.7 98.8	99.0 99.1	99.2	99.5	99.5	99,4	99.5	99.7	99,5 99,7	99,5	99.5 99.7 99.7	99.5	99.7	99.7	99.5 99.7 99.7
≥ 900 ≥ 800 ≥ 700	97.9	98.9	99.2		99.5	99.6	99,6 99,7 99,7	99.7 99.7	99.7	99.8	99.7 99.8 99.8	99.8	99.8	99.8	99.8	99.8
≥ 700 ≥ 600 ≥ 500	98.0 98.0 98.0	99.0	99.2	99.3 99.4	99.6 99.7		99.8	99.7 99.8 99.8	99.8	99,8 99,8	99.8	99.8	99.8	99.8 99.9	99.8	99.9
≥ 400 ≥ 300	98.0	99.0		99.4	99.7		99.8	99 . B	99.8	99.9		99.9	99,9		99.9	99.9 99.9
≥ 200	98.0	99.0	99.3	99.4	99.7	99.7	99 8 99 8	99.8		95.9		99.9	99,9		99.9	99.9 99.9
≥ 0		99.0				_ +		99.8								100 c

TOTAL NUMBER OF OBSERVATIONS

2316

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### CEILING VERSUS VISIBILITY

23111 LUKE AFE ARIZONA/PHOENIX 42-45,52-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING						<del></del>	۷IS	IBILITY (ST)	ATUTE MILI	ES:						
FEET	≥10	≥6	≥5	≥ 4	≥3	≥21⁄2	≥ 2	בו'ז	≥1'•	≥1	≥ 34	≥'•	≥ '2	≥5 16	≥ .	≥0
NO CEILING ≥ 20000	73.0 82.0	73.4 83.2	73.4 83.2	73.4 83.2	73.4 83.2	73.4 83.2	73,4 83,2	73,6 83,4	73.6 83.4	73.6 83.4	73.6 83.4	73.6 83.4	73.6	73.6 83.4	73.6 83.5	73.6
≥ 18000 ≥ 16000	83.2 85.0	83.8	83,9 55.6	83.9 65.6	83.9	83.9 85.7	83.9 85.7	84.0	84.0 85.8	84.0 85.8	84.0	84.0 85.8	84.1 85.8	84.1	84.1	84.1 85.9
≥ '4000 ≥ 12000	86.7 88.3	87.3 85.9	87,4 88.9	87.4	87.4 88.9	87.4 88.9	87.4 88.9	87.6 89.1	87.6 89.1	87,6 89,1	87.6 89.1	87.6 89.1	87.6 89.1	87,6 89.1	87.7 89.2	87.7 89.2
≥ 10000	90.0	90.6	90.5	90,6	90.7	90.7	90,7 91.1	90,8 91,2	90.8	90,8	90.8	90.8	90.8	90,8 91.3	90.9	90,9
≥ 8000 ≥ 7000 ≥ 6000	91.8 92.8	92.4	92.4 93.5	92.5	92.5	92.5	92.5	92.7	92.7 93.7	92.7 93.7	92.7 93.7 94.9	92.7	92.7 93.8	92.7 93.8	92.7	92.7 93.8 94.9
≥ 5000	93.9 94.8 95.0	94.6 95.5 95.8	95.6	94.7 95.6	94.7 95.7 95.9	94.7 95.7 95.9	94.7 95.7 95.9	94,9 95,8 96.1	94.9 95.8 96.1	94,9 95,8 96,1	94,9 95,8 96,1	94,9 95.8 96.1	94.9 95.9 96.1	94,9 95,9 96,1	94.9 95.9 96.2	95.9
≥ 4000	95.6 96.1	95.4	96.5	96.5	96.6 97.2	96.6	96.6 97.2	96.7	96.7	96.7	96.7 97.3	96.7	96.8	96.8 97.3	96.8	96.8 97.4
≥ 3000 ≥ 2500	96.9 97.1	98.0	98 1	98.2	98.3 98.6	98.3 98.6	98.3 98.6	98.4	98.4	98.4	98.4 98.7	98.4 98.7	98.5	98.5	98.5 98.8	98.5 98.8
≥ 2000 ≥ 1800	97.4 97.5	98.7	98.6 98.7	98.9	98.9	96.9	98 9 99 0	99.0	99.0	99.0	99.0	99.0 99.1	99.1	99.1	99.1	99.2
≥ 1500	97.6	98.9 98.9		99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5
≥ 900	97.6 97.0	99.0	59.1	99.3	99.4	99.4	99,4	99.6	99.6	99.6		99.6	99.6	99.6	99.7	99.7
≥ 800 ≥ 700 ≥ 600	97.5	99.1	99.2	99.4	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
≥ 500 ≥ 400	97.7	99.2	39.4	99.4	99.5	99.5	99.6	99.7	99.7	99.8	99.8 99.9	99.8				99.9
≥ 300 ≥ 200	97.7 97.7 97.7	99.2	99.4	99.5	99.6 99.6	99.6 99.6	99.7 99.7	99 8 99 8	99.8 99.8	99.9 99.9	99,9	99.9	99.9	99,9		100.0 100.0 100.0
≥ 100 ≥ 0	97.7	99.2	99.4	99.5	99.6	99.6	99,7	99.8 99.8	99,8	99,9	99.9	99.9	99.9	99,9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2316

USAF ETAC FORM 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OSSOLETE

### CEILING VERSUS VISIBILITY

23111 LUKE AT6 ARIZONA/PHOENIX 42-45,52-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING							VIS	BILITY (ST.	ATUTE MIL	ES:						
fEE1	≥10	≥6	≥5	≥ 4	≥3	≥2'ז	≥ 2	≥1'2	≩1,⁴	≥1	≥ 14	≥',	≥ '⁄3	≥5 16	≥ .	≥0
NO CEILING ≥ 20000	71,0 81.0	71.3 61.3	71.3 81.3	71.4 81.4	71.6	81.6	71.6	71,6	71.6	81.8	71.7 81.8	71.7	71.7	71.7 81.8	71.7 81.8	71.7 81.5
≥ 18000 ≥ 16000	82.2 83.0	82.5	83.5	82.6 83.6	82.8 83.8	82 . E 83 . 8	82.9	82.9 83.9	82.9 83.9	83.0 84.0	83.0 84.0	83.C 84.G	83.0 84.0	83.0 84.0	83.C	84.0
≥ 14000 ≥ 12000	86.1	85.2	86.7	86.8	85.5 86.9	86.9	85.6 87.0	87,0	87.0	83.7 87.1	85.7 87.1	85.7	85.7 87.1	85,7 87,1	85.7 87.1	85.7
≥ 10000	87.3 87.9	87.8 88.4	87.9 88.5	88.0 88.6	88.1 88.7	88.1	88.2 88.8	88.2 88.8	88.2	88.4 89.0	88,4 89.0	88,4 89.0	88.4 89.0	88.4 89.0	88.4 89.0	85.4
≥ 8000 ≥ 7000	89.8	90.4	90.5	89.4 90.7	99.5	90.9	89.6 91.0		91.0	89.7 91.1	89.7 91.1	89.7 91.1	89.7 91.1	89.7 91.1	89.7 91.1	91.1
≥ 6000 ≥ 5000	91.9	92.6	92.7	92.9	93.0	93.0	93.1 94.8	93,1	93.1 94.8	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 4500 ≥ 4000	93.9 95.7	94.6 96.5	94.7	94.9 95.8	95.1	95.1	95.2 97.1	95,2 97,1	95.2 97.1	95,3	95,3 97,2	95.3 97.2	95.3 97.2	95.3 97.2	95,3	97.2
≥ 3500	96.2	97.0 98.1	97.1 98.1	97.4 98.4	97.6 98.7	97 - 6	97.7 98.7	97.7 98.7	97.7 98.7	97.8	97.8 98.9	97.8 98.9	97.8 98.9	97.8 98.9	97.8 98.9	97.8
≥ 2500 ≥ 2000	97.6	98.4 98.9	98.5 59.0	98.8	99.1	99.6	99.2	99.2	99.7	99,3	99.9	99.9	99.9	99.3	99.3	99.3
≥ 1800	98.0	98.9	99.0	99.3	99.6	99.6	99.7	99.7	99.7	99,9	99,9	99.9	99.9		99.9	99.9
≥ 1000 ≥ 1000 ≥ 900	98.0 98.0	78.9 93.9 98.9	99.0 99.1	99.3 99.4	99.6	99.6 99.6	99.7 99.7	99.7 99.7	99.7 99.7			99.9			99.9	99.9
≥ 900 ≥ 800 ≥ 700	98.0	98.9	99.1	79.4	99.7 99.7	99.7	99.8	99.8 99.8	99.8	*****	100,0	100.0	100.0	100.0	120.0	100.0
≥ 600 ≥ 500	98.0	98.9	99.1	99.4	99.7	99.7	99.8 99.8		99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.0	98.9	99.1 99.1	99.4	99.7	99.7	99.8 99.8	99.9	99.9	J ,7	100.0	100 G	100.0	100.0		100.0
≥ 200	98.0 98.0	98.9	99.1 99.1	99.4	99.7	99.7	99.8	99,9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 0	98.6	98.9		99.4		99.7	99.8	99,9	99.9	100.0	100.0					10C.0

TOTAL NUMBER OF OBSERVATIONS

2310

USAF ETAC 10164 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

1

23111 LUKE AFB ARIZGNA/PHOENIX 42-45,52-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET							VIS	IBILITY IST	ATUTE MIL	.E\$		····				
	≥10	≥6	≥ 5	≥ 4	≥3	≥2'ז	≥2	≥1 %	≥1.	≥1	≥ .	≥,•	≥ 1	≥5 16	≥ .	≥0
NO CEILING ≥ 20000	68.8	69.1 61.5	69.1	69.2	69.2	69.2 81.7	69.2	69.2	69.2	69.3				60.3	1 1 1	
≥ 18000 ≥ 16000	2.4 84.5	82.7	82.7 84.4	82.8 84.5	82.8	82.8 84.5	82.8 84.5	82.8 84.5	82.8	82,9	83.0		81.9	81.9	81.9	83.0
≥ 14000 ≥ 12000	65.2 87.0	85.5	85.5	85.5			85.6	25.6	25.6	84.6	84.6	85.7	84.6	84.6	84.6	84.6
≥ 10000 ≥ 9000	30.1 F8.5	89.4	98.5 88.8	88.6	38.6	88,6	88.6	87.5	88.6	88.7	88.7	88.7	87.6 88.7	87.6 38.7	88.7	87.6
≥ 8000 ≥ 7000	89.5 91.0	89,8 91.3	89.9	90.0	90.0	90.0	90,0	90,0	90.0	89.0 90.0	89.1 90.1	90.1	89.1 90.1	89.1 90.1	89.1 90.1	89.1 90.1
≥ 6000 ≥ 5000	92.9	93.2	93.2	93.4	91.5	91.5	93.4	93,4	91.5	93.5	91.6	91.6	91.6	91.6	91.6	91.6
≥ 4500 ≥ 4000	95.8	96.1	96.2	96.4	95.7	95.7	95.7	96,4	96.4	95.8	95.8	95.8	95.8	95.8	95.8 96.5	95.8 96.5
≥ 3500 ≥ 3000	97.5	97.9	97.4	98.1	98.1	98.1	98.1	98,1	98.1	98.2	97.7	97.7	97.7	97.7	97.7	97.7
≥ 2500 ≥ 2000	98.4	99.1	99.3	99.3	99.3	99.3		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1900 ≥ 1500	98.5	99.2	99.3	99.5	99.5	99.5		99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200 ≥ 1000	98.5	99.2	99.4		99.5	99.5	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	98.5	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	98.5	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6		99.8	99.8	99.8	99.8	99.8	99.8
≥ 600 ≥ 500	98.5	99.3		99.6	99.6	99.6	99.6	99.7	99.7	99.8	99.5	99,9		99,9	99,9	99,9 99,9
≥ 400	98,5	99.3	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99,9	99.9
≥ 100	98.5	99.3	99.4	99.6	99.6	99.7	99.7	99.7		99.9		99.9	99,9			99.9
≥ 100						1			99.7			99.9		- 1		99.9

TOTAL NUMBER OF OBSERVATIONS

2311

USAF ETAC 1000 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### CEILING VERSUS VISIBILITY

23111 LUKE AFE ARIZONA/PHOENIX 42-45,52-72

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-500C

CEILING				·			VIS	IBILITY (ST	ATUTE MIL	€S.						
FEET	≥10	≥6	≥ 5	≥.4	≥3	≥27	≥ 2	≥1 2	≥1'.	≥;	≥ ′-	≥',	≥ 2	≥5 16	≥ ,	≥0
NO CEILING ≥ 20000	73.3 83.6	73,5 83.8	73.5 83.9	73.5	73.5 83.9	73.6 83.9	73.6 83.9	73.6 82.9	73.6 83.9	73.6 83.9	73.6 83.9	73.5 83.9	73.6	73.6 83.9	83.9	83.9
≥ 18000 ≥ 16000	34.9 86.1	65.1 86.2	85.1 96.3	35.1 86.3	85.1 86.3	65.2 86.3	85.2 86.3	85.2 86.3	85.2 86.3	85.2 86.3	85.2 86.3	85.2 86.3	85.2 86.3	85,2 86,3	86.3	86.3
≥ 14000 ≥ 12000	17.8	08.85 9.85	89.9 89.1	88.1 89.9	83.1	88.1	88.1 29.9	88.1	88.1		88 <u>.1</u> 89.9	89.1 39.9		88.1 89.9	88.1 89.9	
≥ 10000	91.3	92.0	91.6 92.0	92.0	91.6 92.0	91.6	91.6		91.6 92.0		92.0	91.6 92.0		91.6	92.0	92.0
≥ 8000 ≥ 7000 ≥ 6000	92.7 93.7	93.9	92.9 94.0	92.9	92.9	94.0	94.0	94.0	93.0	94.0	94.0	93.0 94.0	94.0	93,0	94.0	94.0
≥ 5000 ≥ 5000	95.2 95.5 97.1	95.4 96.8 97.5	95.5 96.8	95.5	95.5 96.9 97.7	95.5	95.5	97.0	95.5 97.0 97.7	97.0	95.5 97.0 97.7		95.5 97.0 97.7	95.5	95.5 97.0 97.7	97.0
≥ 4000	97.6 38.0	98.2	97.6 98.3 98.7	97.7 96.4 98.8	98.4	97.7 98.4 98.8	97.7 98.4 98.8	98.4	98.4 98.8	98.4	98.4	97.7 98.4 98.8	98.4	97,7 98,4 98,8	97.7 98.4 98.8	98.4
≥ 3000	98.6	99.3	99.4	99.3	99.5	99.6	99.6		99.6	99.6	99.6	99.6		99 c	99.6	99.5
≥ 2000	98.8	99.5	99.7 99.8	99 B	99.8 99.9	99.9	99.9 99.9	99.9		99.9		99.9	99.9		99.9	99.9
≥ 1500	98.9	99.6	99.8		99.9	toc.c	hou.o	100.0	100.0	100.0	00.0	100.0	100.0	100.0	0.00	100.0
≥ 1000	98.9	99.6		99.9 99.9				100.0				100.0	100.0			100.0
≥ 800	98.9	99.6 99.6	99.8	99.9	99.9	_		100.0					100.0			100.0
≥ 600	98.9	99.6	99.8	99.9	99.9			100.0					100.0		100.0	100.0
≥ 400 ≥ 300 ≥ 200	98,9	99.6	99,8		99.9	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0
≥ 100 ≥ 0	98.9 98.9 98.9		99.8	99.9	99.9	200,0	100.0	100.0	100.0	100.0	100,0	100.0			100.0	100.C

TOTAL NUMBER OF OBSERVATIONS

2311

USAF ETAC 10104 0-14-5 (OL A) MEMOUS EDITIONS OF THIS FORM ARE OBSCIETE

#### CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZO: A/PHDENIX 42-45,52-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING							vis	BILITY ST	ATUTE MIL	ES						
FEET	≥10	26	≥5	≥ 4	≥:	≥2 2	≥ 2	≥1;	≥1.	≥1	≥ ,⁴	≥ >/•	≥:	≥5 16	≥ .	≥0
NO CEILING ≥ 20000	12.1	82.2 88.8	82.2 88.8	82.2	68.8	82.2 88.8	82.3 88.9	82.3 88.9	82.3	82.3		82.3 88.9	22.3	82,3 88.9	82.3 88.9	
≥ 18000 ≥ 16000	89.U	90.0	89.1 90.0	89.1 90.0	39.1 90.0	89.1 90.0	89.2 90.1	89.2 90.1	89.2	89.2 90.1	89.2 90.1	89.2 90.1	99,2	89,2 90.1	89.2 90.1	89.2
≥ 14000 ≥ 12000	91.U 92.5	91.1 92.0	91.1 92.6	91.1 72.0	9:.1	91.1 92.7	91,1 92,7	91.1	91.1 92.7	91,1 92,7	91.1	91.1 92.7	91.1	91.1 92.7	91.1	91.1 92.7
≥ 10000 ≥ 9000	43.7 93.9	93.8	93.8	93.8	53.8 94.1	93.8	93,9 94.2	94.2	93.9	93.9 94.2	94.2	93.9	93.9	93.9	93.9	93.9
- ≥ 8000 ≥ 7000	95.8	95.9	95.9	95.) 95.9	95.1 96.0	95.1	95.2 96.1	95,2 96,1	95.2 96.1	95,2 96.1	96.1	95.2 96.1	95.2	95,2 95,1	95.2	95.2 96.1
≥ 6000 ≥ 5000 ≥ 4500	96.7 98.0		97.0 98.3	97.0 92.3	98.3	97.0	97.1 98.4	97,1 98,4	97.1 98.4	97.1 98.4		97.1 98.4	97.1 98.4	97.1	97.1 98.4	97.1
≥ 4000 ≥ 3500	98.2 98.7	99.0		98.5	98.5	98.5	98,6 99.1	99.1	99.1	99.1	99.1	98.6	59.1	99.1	99.1	99.1
≥ 3000 ≥ 2500	99.1 99.2 99.3	99.5 99.7	99.5 99.7 99.7	99.5 99.7 99.7	99.5 99.7 99.7	99.5 99.7 99.7	99.6 99.8	99.8	99.8	99.8	99.8	99.6 99.8 99.8	99.8	99.6 99.8 99.8	99.8	99.8
≥ 2000	99.4	99.8	99.8	99.8 99.8		99.8	99.9	99.9	99.9	99.9		99.9	99.9	99.9	99.9	
≥ 1500	99.4 99.4	99.8	99.8	99 A	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	39.4 99.4	99 B	99.8	99.8	99,9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.4	99.8	99.8	99.3	99.9	99.9	100.0	200.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.4			99.3	99,9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	29.4 99.4			99.9	99.9	99.9	100.0	100.0	100.0 100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0 100.C
≥ 200	99.4	99.9	99.9	99.9	99.9	99.9	100.0	100.0 100.0	100.0 100.0	100.0	100.0	100.0 100.0	100.0	100.0 100.0	100.0	100.0
≥ 0	99.4	99.9	99.9	99.9												100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM APE OBSOLETE

2313

## CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY ST	ATUTE MIL	ES.						
FEET	≥;0	≥6	≥5	≥ 4	≥ 3	≥2 >	≥ 2	≥1,	≥1.	≥1	≥ ′4	≥'.	≥ 7	≥5 16	≥ .	≥0
NO CEILING ≥ 20000	86.5 91.5	86.7 91.8	86.6 91.8	86.8 91.8	86.8 91.8	86.8 91.8	86.8 91.8	86,8 91.8	86.8 91.8	86.8 91.8	86.8 91.8	86.8 91.8	86.8 91.8	86.8 91.8	86.8 91.8	86.8 91.8
≥ 18000 ≥ 16000	92.6	92.1	92.2 93.0	92.2	92.2	92.2 93.0	92,2	92.2	92.2 93.0	92,2	92.2	92.2	92.2	92.2	92.2 93.0	93.0
≥ 14000 ≥ 12000	93.7	94.0	94.1	94.1	94.1 95.6	94.1 95.6			94.1 95.6			94.1 95.8	94.1 95.6	94.1	94.1 95.5	94.1
≥ 10000 ≥ 9000	96.8	97.1 97.6	97.2	97.2 97.7	97.2 97.7	97.2 97.7	97,2 97,7	97.7	97.2 97.7	97.2	97.2 97.7	97.2 97.7	97.2 97.7	97.2 97.7	97.2 97.7	97.2 97.7
≥ 8000 ≥ 7000	97.7 98.4	99.1 98.8	98.1 98.8	98.2	98.2 98.9	98.2 98.9	98.2 98.9	98,2 98,9	98.2 98.9			98.2 98.9	98.9		98.2	
≥ 6000 ≥ 5000	98.6	99.1	99.1	99.2	99.2	99.2 99.6		99,6	99.2	99.2	99.6	99.2	99.6	99.6	99.2	99.6
≥ 4500 ≥ 4000	99.1	99.5		99.6	99.6	99.6	99.6	99.7	99.6	99.7	99.7	99.5	99.7	99.7	99.7	99.7
≥ 3500	99.2	99.7	99.7	99.7	99.9	99.7	99.7	99.7	99.7		99.7	99.9	بكناهما	99.7	99.7	99.7
≥ 2500 ≥ 2000	99.3	99.8	99.8		99.9	99.9		99,9		99.9	99.9		99.9	99.9		99.9
2 1800 ≥ 1500	99.4	99.9	100.0	100.1	100.0		100.0	100.0	100.0	100.0	100.0		100.0	10C.0		100.0
≥ 1200 ≥ 1000	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 900 2 800	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	200.0	100.0	100.0	100.0	100.0	100.0
≥ 700 ≥ 600	99.4	99.9	100.0	10000	100.0	100.0	100.0	10C.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0
≥ 500 ≥ 400	99.4	99.9		100.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0
≥ 300 ≥ 200	99.4	99.9	100.0	100.0	100.0	10C.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0
≥ 100 ≥ 0	99.4	99.9	120.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.c	100.0	100.0	100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS

2366

USAF ETAC PLS4 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING		<del></del> -	<del></del>				VIS	IBILITY (ST.	ATUIE MIL	ES		<del></del>				
FEE1	≥10	≥6	≥5	≥ 4	≥3	≥},	2.2	≥1 7	≥1.	≥1	≥ 24	≥ ,	≥ 2	25 10	≥ ,	≥0
NO CEILING ≥ 20000	86.4 91.4	86.5 91.5	30.5 91.5	86.6 91.5		86.6 91.5	91.5	91.5	91.5	91.5	91.5	86.6 91.5	86.6 91.5	1	86.6 91.3	91.5
≥ 18000 ≥ 16000	91.5 92.6	92.7	91.7 92.7	91.3 92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	91.8 92.8	92.8
≥ 14000 ≥ 12000	93.5	25.4		95.5		99.5	95.5	35.5	93.7	93.7	93,7 95.5	95.5	93.7 95.5	95.5		95.5
≥ 9000	96.8	95.4	96,9	97.0		97.0	97.0		97.0	97.0	97.0	97.0	97.0	97.0	97.C	96.5
≥ 8000 ≥ 7000 ≥ 6000	97.5 98.4	97.7 98.6 98.9	97.7 95.6 96.9	98.5	98.6	98.6	98.6	97.8 98.6 99.0	98.6	98.6	98.6	97.8 98.6 99.0	98.6	98.6	98.6	98.6
≥ 5000 ≥ 4500	99.2	99.2 99.4	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4000 ≥ 3500	99.5		99.7	99.8		99.8	99.8	99.8	99.8	99.8	9.8	99.8	99.8		99.8	99.8
≥ 3000 ≥ 2500	99.6	99.8	99.6	99.9	99.9	99,9	99.9	99.9	99,9	99.9	99.9	99.9	99.9	99.9	99.9	
≥ 180°	99.7	99.9 99.9	99.9	100.0	100.0	toc.c	tco.o	toc o	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.7	99,9	99.9	100.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	10C.0	100.0	100.C
≥ 1000	99.7	99.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100,0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800 ≥ 700 ≥ 600	99.7	77.5	99.9	0.004	100.0	roo*c	Lou.o	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	99.7	99.9	99.9	100.0	100.0	Loc.c	100.0	100,0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 300 > 200	99.7 99.7 99.7	99.9	99.9	100.0	100.0	100.0	100.0	100,0	100.0	100.0	100.0	100.0	100.C	100.0 100.0 100.0	100.0	100.C
≥ 100 ≥ 0	99.7	99.9	99.9	100.0	100.u	100.0	100.0	100.0	100.0	100,0	100.0	100.0	100.0	100,0	roc.c	100.0

TOTAL NUMBER OF OBSERVATIONS

2365

USAF ETAC 1, 64 0-14-5 (OL A) PREMOUS ESTRONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY IST	ATUTE MIL	£\$)						
	≥10	≥6	≥5	≥ 4	≥3	≥272	≥ 2	≥1%	≥1¼	≥1	≥ 1,4	≥ %	≥ 7	≥5 16	≥ :₄	≥0
NO CEILING ≥ 20000	1.9 8.5	82.2 88.9	42.2 98.9		82.2	82.3	82.3	82,3 89.0		82,3 89.0	82.3	82.3			82.3	82.3
≥ 18000 ≥ 16000	90.4	99.7	89.7	89.7 90.9	89.7	89.7 90.9	89.8 91.0	89,8		89.8	89.8	89.8	89.8	89.8	89.0	89,8
≥ 14600 ≥ 12000	51.6 93.2	92.0	92.0 93.6	92.0		92.1	92.1	92.1	92.1	92,1	92,1 93.7	92.1	91.0 92.1	92.1	91.0 92.1	91.0 92.1
≥ 10000 ≥ 9000	94.1	94.5	94.5	94.5	94.5	94.6	94.6	94.5	94.6	94.6	94.6	94.6		94.6	94.6	94.6
≥ 8000 ≥ 7000	95.4	95.8 95.6	95.8	95.8 96.6	95.8 96.6	95.9 96.7	95,9	95,9	95.9	95.9 96.7	95.9	94.7	94.7	94.7	94.7	94.7
≥ 6000 ≥ 5000	97.0	97.5 98.4	97.5 98.4	97.5	97.5	97.5	97.6	97.6	97.6 98.5	97.6	96.7 97.6 98.5	96.7	96.7	96.7	96.7	96.7
≥ 4500 ≥ 4000	98.3 98.6	98.8	98.8	98.3	98.8	98.8	98.9	98,9	98.9	98.9	98,9	98.9		98.9	98.9	98.5
≥ 3500 ≥ 3000	99.8 99.0	99.3 99.5	99.5	99.3	99.3	99.4	99.5	99.5	99.5	99.5			99.5	99.5	99.5	99.2
≥ 2500 ≥ 2006	99.4	99.7	99.7	99.7	99.7	99.8	99.9	99.7	99.9	99,9	99.9	99.9	99.9	99.9	99.7	99.7
≥ 1800 ≥ 1500	99,2 99,2	99.7	99.8	99,8	99.8	95,91	100.00	.00.01	100 4 001	100.01	100-01	00.01	00.0	99.9	99.9	00.0
≥ 1200 ± 1000	99.2	99.7	99,8	99.8	99.8	77.7	100001	.00 .00	.00 • 0D	00.0	.00 - 01	.00 . 00	00.01	00.00	20.01	00 0
≥ 900 ≥ 800	99.2	99.7	99.8		99.8	77876	נוס כי טיט ו	.00 • 911	.00 • 00	00,01	.00 - 01	$\Delta \Delta = \Delta \Omega$	.AA . All	AA AI	00 0	(1)
≥ 700 ≥ 600	99.2	99.7	99,8	99.8	99.8	フフ・フル	, Uy a Dil	.00 • 011	.00 - 01	00.01	.00 - nh	00-01	00.01	AA All	00 01	00 0
≥ 500 ≥ 400	99.2		99.8		99.8	99.91		100 a 011	.00 .01	00,01	.00 <u>.</u> 01	00.01	100 - OI	no and	AA - All	00.0
≥ 200		99.7	99.8	99.8		99.91	00.01	00.01	00.01	00.01	00.01	00.01	00.01	00,01	00.01	00.0
≥ 100 ≥ 0				99.8 99.8		99.91										

TOTAL NUMBER OF OBSERVATIONS. 2365

USAF ETAC FORM 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

23111 LUKE AFE ARIZGNA/PHDENIX 42-46,51-72

APR MONTH

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST.	ATUTE MILI	ES)					<del></del>	
FEET	≥10	≥6	≥5	≥ 4	≥3	≥21/2	≥ 2	≥11/2	≥1¼	≥1	≥ 1/4	≥%	≥ %	≥5/16	≥'4	≥0
NO CEILING ≥ 20000	79.8 98.2	60.4 88.5	50.5 88.8	50.5 88.8	80.5 88.8	80.5 88.8	80.6 0.68	80,6 89.0	80.6	80.6	80.6	80.6	80.6	80.6	89.0	80.6
≥ 18000 ≥ 16000	39.0 49.7	89.6 90.3	89.5	89.6 90.4	89.6 90.4	90.4	89.7 90.5	99.8	89.8 90.5	89,8 90.5	89.8 90.5	89.8 90.5	89.8 90.5		89.8	89.8 90.5
≥ 14000 ≥ 12000	90.9	91.5 92.9		91.5	92.9	92.9	91.7	91.7	91.7 93.1	91.7 93.1	91,7 93.1	91.7	91.7	91.7 93.1	91.7 93.1	91.7 93.1
≥ 10000 ≥ 9000	93.4	94.0	94.6	94.5	94.1		94.2	94,3 94,8	94.8	94.8	94.3		94.3	94.8	94.3	94.8
≥ 8000 ≥ 7000 ≥ 6000	95.4	95.4 95.9	95.4 96.0	96.0		96.0	96.1	95,6	96.2	96.2	96.2	96.2	95.6 96.2	96.2	96.2	95.6
≥ 5000 ≥ 5000 ≥ 4500	96.5	97,1 98,1	97,1 98.1	97.1 98.1	98.1	97.1 98.1	98.2	97,3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 4500 ≥ 4000 ≥ 3500	97.7 98.1	98.4	98.7	98.7	98.7	98.7	98.9	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.6
≥ 3000	98.4	99.0 99.4 99.5		99.4	99.1		99.5		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 2000	98,8 98.8	99.5	7 . 7	99.5	99,5	99.5	99.7	99.7 99.7 99.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1500	98.8	99.5	99.6	99.6	99.6	99.6	99.7	99.8	99.8	99.8		99.8	99.8	99.8 99.8 99.8	99.8	99.8 99.8
≥ 1000	99.0	99.7	99.7	99.7	99.7	99.7	39,9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	99.8 100.0 100.0	100.0
≥ 800	99.0	99.7		99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.0	99.7	* 5 7 3	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	00.0	100.0	1,00.0
≥ 400	99.0	99.7	99.7	99.7	99.7	99.7	90.9	100.0	100.0	100.0	100.0	100.0	100.0	102.0	100.0	100.C
≥ 200	99.0	99.7		99.7 99.7	99.7		99.9	100.0	00.0	100.0	100.0	100.0	100.0	100 "0	100.0	100.0
≥ 0	99.0			99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_ 2366

USAF ETAC 10164 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHDENIX 42-46,51-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING							VIS	IBILITY (ST.	ATUTE MIL	ESı						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2⅓	≥2	≥1½	≥1¼	≥1	≥ ¼	≥ '•	≥ ⅓	≥5 16	≥ '₄	≥0
NO CEILING ≥ 20000	77.1	77.2 86.9	77.3	77.4	77.4 87.1	77.4	77.4	77.4	77.4 87.1	77,4 87.1	77.4 87.1	77.4 87.1	77.4 87.1	77.4 87.1	77 • 4 87 • 1	77.4 87.1
≥ 18000 ≥ 16000	68.1	87.6 88.2	87.7 88.3	87.8 88.4	87.8 88.4	87.8	87.8 88.4	87.8 89.4	87.8 88.4	87.8 88.4	87.8 88.4	87.8 38.4	87.8	87.8 88.4	87.9 88.5	87.9 88.5
≥ 14000 ≥ 12000	90.7	89.6 90.8	89.7 90.9	89.7 90.9	89.7 90.9	89.7 90.9	89.7 90.9	89.7 90.9	89.7 90.9	89.7 90.9	89.7 90.9	89.7 90.9	89.8	89.8 91.0	89.8 91.0	89.B 91.0
≥ 10000 ≥ 9000	92.0	91.8	92.0 92.3	92.0	92.0	92.0	92.0	92.0	92.0 92.3	92.0	92.0	92.0	92.1	92.1	92.1	92.1
≥ 8000 ≥ 7000	92.7	92.8	93.0	93.1	93.1	93.1	93,1 94.4	93,1	93.1	93,1	93.1	93.1	93,1	93,1	93.1	93.1
≥ 6000 ≥ 5000	95.9 96.9	95.0 97.1	97.4	96.3	96.3	96.3 97.4	96.3	96,3	96.3 97.4	96.3	97.4	96.3	97.5	96.4	96.4	96.4
≥ 4000 ≥ 3500	97.5 98.4 98.7	97.8 98.7 99.0	98.1 98.9 99.3	98.1 99.0 99.3	98.1 99.0	98.1 99.0 99.3	98,1 99.0	98,1 99,0 99,3	98.1 99.0 99.3	98 1 99 0 99 3	98.1 99.0 99.3	98.1 99.0 99.3	99.0	98,1 99,0 99,4	98.2 99.1 99.4	98.2 99.1 99.4
≥ 3000	98.9 99.0	99.2 99.4	99.4	99.5	99.5	99.5	99.5	99.3 99.7	99.5	99.5	99.3 99.5	99.5	99.5	99.5	99.5	99.5
≥ 2000	99.1 99.1	99.5	99.7 99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 1500	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99 8 99 8	99.8	99.8	99.9	99.9	99.9	99,9 99.9
≥ 1000	99.2	99.6	99.9		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100 · C	100.0	100 • 0	100.0 100.0
≥ 800	99.2	99.6	59.9 99.9	99.9 93.9	99.9		99.9	99.9	99.9	99.9	99.9	99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0
≥ 600 ≥ 500 ≥ 400	99.2	99.6	99,9	99.9	99.9		99.9		99.9	99,9	99,9	99.9	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99,9	99.9	99.9	7	W	100,0	100.0
≥ 100 ≥ 0	99.2 99.2		99.9 99.9	99.9	99.9	99.9	99.9	99,9	99.9	99.9 99.9	99,9	99.9		100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS.....

2364

USAF ETAC 100 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DISSOLETE

# CEILING VERSUS VISIBILITY

20111 LUKE AFB ARIZONA/PHOENIX 42-46,51-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING							VIS	BILITY (ST	ATUIE MI	ıES <sup>,</sup>						
FEET	≥10	≥6	≥ 5	≥ 4	≥3	≥2 -	≥2	≥1%	≥114	≥1	≥ λ <sub>a</sub>	≥ 5/2	≥ ⅓	≥5 16	٤.	≥0
NO CEILING ≥ 20000	75.2	75.6		75.7 86.5			75.8						75.9	75.9	75.9	75.9
≥ 18000 ≥ 16000	86.9	87.3		87.1 87.5	87.2 87.6	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 14000 ≥ 12000	88.1 89.8	88.7	88,8	88.9 90.4	88.9	88.9		88.9	88.9	88,9	37.6 88.9 90.5	87.6 88.9 90.5		88,9	97.6 88.9	67.6 88.9
≥ 10000 ≥ 9000	90.9	91.4	91.6 92.0	91.6	91.7		91.7 92.1				91.7	91.7	90.5	90.5 91.7 92.1	90.5 91.7 92.2	90.5
≥ 8000 ≥ 7000	92.5	93.1 94.1	93.2 94.2	93.2	93.3 94.3		93,3	93,4	93.4		93.4	93.4	93.4	93.4	93.4	92.2 93.4 94.5
≥ 6000 ≥ 5000	95.8	96,3	96.4 98.3	98.4		98.5	98.6	96.7	96.7	96.7	96.7 98.6	96.7 98.6	96.7	96,7	96.8 98.7	96.8 98.7
≥ 4500 ≥ 4000	98.1 98.5	98.6	98.8	99.3		99.4	99.4	99.1	99.1	99.5	99.1	99.1	99.1		99.2	99.2 99.6
≥ 3500 ≥ 3000 ≥ 2500	98.0	99.3	99.3	99.5	99.5	99.5	99.6 99.7	99.6	99.7	99.7	99.0	99.7	99.6		99.7	99.7 99.8
≥ 2000	98.6 98.6 98.6	99.4 99.4	99.4	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.7	99.8	99.7	99.8	99.8	99.8
≥ 1500	98.6	99.4	99.5	99.7 99.7	99.7 99.7	99.7	99.8	99.8	99.8	99.8	99.8 99.8	99.8	99.8		99,9	99.9
≥ 1000	98.7		99.6	99.7	99.8	99.7 99.8 99.8	99,8 99,9	99,9	99.8	99,9	99,8	99.9		99.9	99.9	99.9
≥ 800 ≥ 700	98.7	99.5	99.6	99.7	99.8			99,9 99,9		99,9	99,9	99,9	99.9	00.00	.00 • 01	0.00
≥ 600 ≥ 500	98.7		99.6	99.7 99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.7	99.91	00.01	00.01	00.0
≥ 400	98.7 98.7	99,5	99.6			99.8		99.9	99.9	99.9	99.9	99.9	99.91	00.01 00.01	00.01	00.0
≥ 100	98.7	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99,9	99.9	99.9	99.91		00.01	00.0
≥ 0	98.7	99.5	29.5					99.9	99.9	99.9	99.9	99.9	99.91	00.01	00 • 01	0.00

TOTAL NUMBER OF OBSERVATIONS

2362

USAF ETAC JUL64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1

# CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 43-46:51-72

PR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-3000

CEILING							VIS	IBILITY (ST	ATUTE MI	LES <sup>1</sup>						
(FEET	<u> </u>		<del></del>	ı ———					<del></del>							
	≥10	≥6	≥5	≥4	≥3	לי2≤	≥2	≥1 ზ	≥114	1≤	≥ 1,4	≥'•	≥′'n	≥5 16	≥ 4	≥0
NO CEILING ≥ 200.0	79.9	80.1	90.1	80.1	60.2	80.2	80.2	60.2	80.2	80,2	80.2	80.2	80.2	90 2	00 0	00.0
	57.5	87.8		87.9	88.1	88.1	88.1	88 i	88.1				88.1	80,2	80.2	80,2
≥ 18000 ≥ 16000	118.5	8,88		38.9	89.0			89.1		89.1	89.1	89.1	89.1		89.1	89.1
≥ 14000	89.1	89.4		89.5	89.6		39.6	89.7	39.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 12000	90.3	90.7	90.7	90.7	90.9	90.9	1	90.9	90.9	90.9	90.9	90.9	90.9		90.9	90.9
≥ 10000	93.1	92.3		92.3	92.5			92.5		92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 9000	93.6	93.5		93.5	93.7	93.7		93,7	93.7		93.7	93.7	93.7	93.7	93.7	93,7
≥ 8000	94.5	94.9		94.0	94.2			94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 7000	95.8	96.2	95.0	95.0	95.2		95,2	95,3	95.3				95.3	95.3	95.3	95.3
≥ 6000	97.3	97.7	97.7	97.8	96.4			96.5	96.5	96.5			96.5	96.5	96.5	96.6
≥ 5000	98.1	98.5	98.6	98.6	97.9 98.8				98.0				98.0	98.1	98.1	98.1
≥ 4500	98.3	98.7	90.8	93.9				98.9	98.9					98.9		99.0
≥ 4000	98.5	99.1	99.2	99.2			99.1	99.1	99.1		99.1	99.1	99.1	99.2		99.2
≥ 3500	98.9	99.3	99.4	99.4	99.6		99.7	99.7	99.4		99.4	99.4	99.4	99,5	99.5	99.6
≥ 3000	98.9	99.4		99.5	99.7	99.7	99.7	99.8	99.8	99.7	99.7 99.8	99.7		99.7	99.7	99.8
≥ 2500	94.9	99.4	99.5	99.5	99.7	99.7	99.7	99.8	99.8		99.8		99.8	99.5	99.8	99.9
≥ 2000	98.9	99.4		99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8		99,8	99.8	99,9
≥ 1800 ≥ 1500	98.9	99.4	99.5	99.5	99.7	99:7	99.7	99,8	99.8	99,8	99.8	99.8		99.8	99.8	99.9
		99.4		99.6	99.7	99.8	99.8	99.9	99.9		99.9			99.9	99.8	99.9
≥ 1200		99.4		99.6	99.7	99.8	99.8	99.9	99,9	99,9	99.9		99.9	99.9	99.9	00.0
	99.0			99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9		99.9	99.9		00.0
≥ 900 ≥ 800		99,4	99.5	99.6	99.7	99.8	99,8	99.9	99.9	99.9	99.9		99.9	99,9	99.9	
			99.5		99.7	99.8	99.8	99.9	99.9	99.9	99.9		99.9	99.6		00.0
≥ 700 ≥ 600	- 1		99.5		99.7	99.0	99.8	99.9	99.9	99.9	99.9		99.9		99.91	
≥ 500		99.4	99.5		99.7	99.8	99.8	99.9	99.9	99.9	99.9		99.9	99.0	99.91	00.0
≥ 400		99.4			99.7	99.8	99.8	99,9	99.9	99,9	99,9	99.9	99.9	99.9		00.0
≥ 300			99.5		99.7	99.8	99.8	99.9		99,9	99.9	99,9	99,9	99.9	99.91	00.0
≥ 200					99,7	99.8	99,8	99,9			99.9		99,9	99,9	99.91	00.0
2 100					99.7	99.8	99.8						99.9		99.91	
≥ 0			- 1			99.8	99,8	99,9	99.9	99,9			99.9	99,9	99,91	00.0
		1797	7792	99.6	99.7	99.8	99.8	79.7	99.9	99.9	99.9	99.9	99.9	99.0	99.91	

TOTAL NUMBER OF OBSERVATIONS

2362

USAF ETAC 10164 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

LUKE AFR ARIZONA/PHOENIX

43-46,51-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST.	ATUTE MIL	ES)						
FEET	≥10	≥6	≥5	≥ 4	≥3	≥2'ז	≥ 2	≥11/2	≥1'4	≥1	≥ 34	≥ 3,8	בי' ≦	≥5 16	≥ .	≥0
NO CEILING ≥ 20000	85.6	85.7 91.4	85.7 91.4	85.7 91.4	85.7 91.4	85.7 91.4	85.7 91.4	85.7 91.4	8%.7 91.4	85.7 91.4	85.7 91.4	85.7 91.4	85.7 91.4	85.7	85.7 91.4	85.7 91.4
≥ 18000 ≥ 16000	92.1 92.9	92.2 93.0	92.2 93.0	92.2	92.2	92 . 2 93 . C	92.2 93.0	92 Z 93 0	92.2	92.2 93.0	92.2	92.2 93.0	92.2	92.2	92.2	92.2 93.0
≥ 14000 ≥ 12000	93.9	94,9 95.3	94.0 95.3	94.0	94.0 95.3	94.0 95.3	94.0 95.3	95.3	94.0	95.3	95.3	94.0 95.3	94.0 95.3	95,3	95.3	94.0 95.3
≥ 10000 ≥ 9000	96.2 96.8	96.4	96.4	96.4	96.4	96.4 97.0	96.4	96.4	96.4 97.0	97.0	97.0	96.4	96.4	96.4	97.0	97.0
≥ 8000 ≥ 7000	97.5 98.2	97.9 98.4	98.4	97.8	97.8 98.4	97.8 98.4		98.4	97.8	97.8	98.4	97.8 98.4	97.8	98.4	98.4	98.4
≥ 6000 ≥ 5000	98,7	98,9	99.5	99.0	99.5	99.5	99.0	99.5	99.0	99,5	99.5	99,0	99.5	99.5	99.5	99.5
≥ 4500 ≥ 4000 ≥ 3500	99.2 99.3	99.4 99.7	99.5 99.8	99.5	99.8 99.8	99.5 99.8	99.5 99.8		99.5	99,5	99.8	99.5 99.8 99.9	99.5	99.8	99.8	99.5 99.8
≥ 3000	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9 99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2000	99.3 99.3	99.8	99.9	99.9	99.9		99.9	99.9	99.9	99.9	99.9	99.9 99.9	99,9	99.9	99,9	99.9
≥ 1500	99.3	99.8	99.9	99.9	99.9	99.9	6.66	99.9	99.9	99.9	99.9	99,9	99.9		99.9	99.9
≥ 1000	99.3	99.8	100.0	100.0	100.0	LOC.C	100,0	100.0	100.C	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.3	99,8	100.0	100.0	100.0	100.0	100.0	100,0	100.0	100.0	100,0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	109.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400 ≥ 300 ≥ 200	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	200.0	100.0
≥ 100 ≥ 0	99.3 99.3 99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0 100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2369

USAF ETAC NO. 04 0-14-5 (OL A) ME YOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZGAA/PHOENIX 42-46-51-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000=0200

CEILING			,	,			VIS	IS YTIJIBE	JIM STUTA	ES.						
	≥10	≥6	≥ 5	≥4	≥3	≥2 ?	≥2	≥1 2	≥1'₄	≥1	≥ ,⁴	≥'•	≥ ½	≥5 16	≥ .	≥0
NO JEILING ≥ 20000	91.7	91.8 94.8	91.8 94.8	91.8		91.8	91.8	91.8	91.8	91.8	91.8 94.8	91.8	,	91.6		
≥ 18000 ≥ 16000	95.1 95.7	95.2	95.2 95.8	95.2 95.8	95.2	95.2 95.9	95.2	95.2	95.2		95.2	95.2		94.8	95.2	94.8
≥ 14000 ≥ 12000	97.3	97.4	97.4	97.4		97.3	97.5 98.4	97.5	97.5 98.4	97.5	97.5	97.5	97.5	95.9 97.5	97.5	95.9 97.5
≥ 10000 ≥ 9000	98.9	99.0	99.0	99.0 99.1	99.1	99.1	99.1 99.1	99.1	99.1	99.1	98.4 99.1	98.4 99.1	98.4	98,4	98.4 99.1	98.4
≥ 8000 ≥ 7000	99.4	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4			99.2	99.2	99.4	99.2	99.2
≥ 6000 ≥ 5000	99.5	99.6	99.6	99.6 99.8	99.7	99.7	99.7	99.7	99.7	99,5	99.5	99.3	99.5	99.5	99.5	99.5
≥ 4500 ≥ 4√00	99.6	99.8	99.8 99.5	99.8	99.9	99.9	99.9	99.9	99.9		99.9	99.9	99.9	99.9	99.9	99.9 99.9
2 350€ ≥ 3000	99.6	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.0	99.9	04 0	99.9	20 0	00 0	00.0	99.9
≥ 2500 ≥ 2000	99.6	99.9	99,9	// J / H		00.01		. U U . VI	LUU a (III)	LOO • CH	L O O O O		וא אאו	1 A A A M	1 ~ ~ ~ 1	ام مما
≥ 1800 ≥ 1500		99.9	/ / 4 /	99.9	00.0	loc ul	00.00	00.01	00.0	00.0	00.0	00.0	00.0	00.0	00.0	LOO.C
≥ 1200 ≥ 1006		99.9		99.9	00.0	00.01	00.01	00.00	00.0	00.0	00.0	00.0	00.0	00.00	00.0	100.C
≥ 900 ≥ 800	99.6	99.9	3/07	99.91	CO.UI	00.01	00.01	00.00	00.00	00.0	00.01	00.00	00.0	00.0	00.00	00.0
≥ 700 ≥ 600	99.5	99.9	99.9	77874		00 cl	OUAUL	CHIAVU	.00 .00	വരം വ	70 - OII	$\Delta \alpha \Delta B$	AA AA	AA A8	A - AX	00 0
> 100 l	99.0	99,9	99.9	99.91	00.01	00.01	00.01	00.01	00.01	00.00	00.01	00.00	.00.0p	00 on	<u>.00, 01</u>	0C.C
≥ 300	99.0	99,9	99.9	99.91	00.01	00.01	00.01	00.01	00.01	00.00	00.01	00.01	00.01	00 01	00 · CI	00 C
≥ 100	99.0	99,9	99.9	99.91	00.01	00.01 00.01 00.01	00.01	00.01	00 - 01	00.01	00.01	00.01	00.01	00.00	OO OF	2000

TOTAL NUMBER OF OBSERVATIONS

2500

USAF ETAC NOTES 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM APE OBSOLETE

# CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZO'A/PHOENIX 42-46,51-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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CEIL'NG 'FEET							VIS	18ILITY ST	ATUTE MIL	ES						
	≥10	≥6	≥5	≥ 4	≥3	≥2	≤?	≥1,	≥1.	≥1	≥ 14	≥ ,	≥	≥5 16	≥ ,	≥0
NO CEILING ≥ 20000	90.9	91.0	91.0			94.4	94.5	91.1	91.1		91.1	91.1				91.1
≥ 18000 ≥ 16000	94.4 95.4		94.6	94.6		94.6		94.6	54.6 95.5	94.5	94.6	94.5	94.6	94.6		94.€
≥ 14000 ≥ 12000	96.8 98.1	95.9					97.5		97.0	97.0 98.2	97.C	97.	97.0		95.5 97.0	97.0
≥ 10006 ≥ 9000	98.3 99.0				98.9	98.9		99,J	99.C	99.0	99.0				98.2 99.0	
≥ 8000 ≥ 7000	99.2 99.3	99.3 99.4		99.3	99.3			99,3 99,5	99.3	99.3	99.3	99.1 99.3 99.5	99.3	99.3	99.3	99.1
≥ 6000 ≥ 5000	99.5	99.5 99.8	39.0	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.5	99.5	95.7	99.5 99.7
≥ 4500 ≥ 4900	99.7	99.8	99.8	99.0	99.5	99.8		90	99.9	99.9	99.0	00 0	99.9	00 0	00 0	00.0
≥ 3500 ≥ 3000	99.7 99.7	99.8	99.0	99.0	100.01	99.8	100.00	100.00	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2500 ≥ 2000	99.7	99.9	100.0	100.0	co. I	00.	100.0	00.0	00.01	00.0	100.0	00.0	100.0	00.C	Loc . ci	100.0
≥ 1800 ≥ 1500	99.7	99.9	Leo.ol	100 - 01	001	00 - 0	100.01	00 - 00	00.00	00.00	00.00	00.0	Loc. of	00.0	00.0	00.0
≥ 1200 ≥ 1000	99.7 99.7	99.9	100.01	ioo en	00.01	00.00		00.00	00.01	.00.00	00.01	.00 • OI	co • o 1	OC - 01	00.0	.00.C
≥ 900 ≥ 800	99.7	99.9	00.00	00.01	00.01	00.01	30-01	00. 1	00.01	00.01	.οο, ομ	00.01	00.01	00,01	00.0	00.0
≥ 700 ≥ 600	99.7	99.9	0.01	00.01	00.01	00.00		00.01	00.01	00.01	00.01	00.01	.00.01	OC . CI	00.01	.00.0
≥ 500 ≥ 400	99.7	99.9	00.01	.00 • 01. .00 • 01	.00.01 .00.01	.00 • 0)1 .00 • c)1	1.00.01 100.01	00.01	20.01	00.01	00.01	00.01	00.01	00.Cl		00.0
≥ 300 ≥ 200	99.7	99.91	.00.01	00 - 11	10.00.	00.01	00.01	00.01	00.01	00.01	00.01	00.01	.00.01	00.0	00.01	00.0
≥ 100 ≥ 0		/ / B / k		UU = UII	للانية الالاست	OG a CIL	00.01	ar Lon	PO - PH	ne on	AA AB	AA 45	A A A A	وام مم		45 4 1

TOTAL NUMBER OF OBSERVATIONS

2499

USAF ETAC 1600 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING NA CHUSAF ETAC AIR FEATHER SERVICES NO

# CEILING VERSUS VISIBILITY

23111

1

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

(Ettitus)	1						VIS	SIBILITY ST	AIUIE MI	LES:						
	≥10	! ≥6	≥ 5	≥ 4	≥3	≥2 3	≥ 2	≥1;	≥1'4	≥1	≥ 14	≥'₄	≥ ;	≥5 16	≥ ¹•	≥0
NO CEILING	5.9	91.7		35.9 91.7	65.9 91.7	85,9	85.9 91.7	85.9 91.7								
≥ 1800¢ ≥ 18006	52.4		92.5	92.5	92.5	92.5	92,5	92.5	92.5	92.5	92.5	92.5				91.7
2 140HK ≥ 12000	5.5	95.5	95.5	95.5	95.5	95,5	95.5	95.5		95.5	95,5	95.5		93.4		93.4
± 1001 ≥ 2000	30.4	98.4	98.5	98.5	98.5	98.5		98.5	97.5	94.5	98.5	98.5	98.5	98.5	97.5	97.5
≥ 8060 ≥ 7000	98.6	99.0	99.1	99.1	99.1	99.1	98.6 99.1	99.1		98.7	98.7	98.7	98.7	98.7 99.1	98.7 99.1	98.7
≥ 600v ≥ 5000	99.2	99.8	99.8	99.8	99.8	99.8	99.3	99.3	99.3	99.3 99.8	99.3	99.3	99.3	99.3 99.8	99.3	99.3
≥ 4500	99.0	30.8		99.9	99.8	99.8	99.8	99.9	99.9	99.9	99,9	99.9	99.9	99.9		99,9
≥ 4000 ≥ 3506	99.8	99.8 99.9	99.9	99.9	99.9	80.0	99.0	00.9	ດດ່າ	וח חם	00 0	00 0		99.9 99.9	11111	
≥ 3000	99.9															
≥ 2000	99.9		100.01 100.01													
≥ 1500	99.5	99.9	LCC O	oc o	100.01	00.0	co a			100.00	00.0	100 · C	100.00	00,0	100.0	00.C
≥ 1000	99.9	90.9	10.01	.00.01	00.01	00.00	100.0	Looson	100.0	100,00	00.00	100.0	00.0	00.0	100.0	00.0
2 900 2 800	99.9	59.9	colo	00.01	LCO . GD	00.01	100.01	Loo - of	00.0	100.01	00,0	00.C	00.0	00.0	100.0	.00,0
± 700 ≥ 600	99.9	99.9	leu ol	00.00	00.01	00.00	.00.00	00.01	00.0	100,00	00.01	00.C	00.00	00.0	100.00	00.0
≥ 500 ≥ 400	99.9		00.01													
_ 300 ≥ 200	99.9															
≥ 100	99.9	99.9	00.00	00.01	00.61	00.01	00.00	00.01	00.0	00.01	00.01	00.00	00.01	00.01	oc ch	00.0
L	799	7 7 8 3 H	40.00	ល់ប៉ុន្តិព្យា	uo ou	OC • CIT	CO • OI	00.01	00.00	00.01	00.0h	20.00	00.01	00.00	00.01	00 C

TOTAL NUMBER OF OBSERVATIONS

2494

USAF ETAC 10.04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0500-1100

CEILING FEET							vis	IBILITY ST	ATUTE MIL	ES					·	
,	≥10	≥6	≥5	≥4	≥3	≥2 7	≥ 2	≥1.	≥1.	≥1	≥	, •	≥ ,	≥ 5 16	≥ .	! ≥0
NO CEILING ≥ 20000	64.9	85.C	85.0												85.C	
≥ 18000 ≥ 16000	94.4	95.2			94.5	94.5	94.5	94,5	94.5	93.7 94.5		94.5	94.5			
≥ 14000 ≥ 12000	96.4	96,5	96.5 97.8	94.5	96.5	96.5	96.5	96.5	96.5	95.2 95.5	96.5	96.5	96.5	95.2	95.2 96.5	95.2
≥ 10000 ≥ 9000	98.5	98.5	98.5	98.5	98.5	98.5	96.5	98.5	98.5	97.8 98,5	98.5	90 . 5	97.8	97.8		97.8
≥ 8000 ≥ 7000	98.6	98.6	98.9	98.9	マと・ソ	98.6	98.91	98.9	98.9	9 % - 9	98.6	98.6	98.6	98.6	98.6	98.6
≥ 6000 ≥ 5000	99.2 99.6	99.2	99.6	77.0	77.0	99.2	99.6	99.6	99.4	99.2	59.2	99.2	99.2	99.2	99.2	99.2
≥ 4500 ≥ 4000	99.7	99.8	00.0	99.8	99.8	99.8	99.8	99,8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 3500		00.00	(0.3	70.0	00 0		100 0	00 0	00.0	LUU O	00.0	00.0	160.0	100.0	100.0	100.0
≥ 3000	1:0.0	00.01	100.0	00.0	00.0	OC. CI	100 01	00 0	00.0	100.0	00.0	CO C	100.0	loc.c	100.0	100.0
≥ 2000	100.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	100.0	100.0	100,0	100.0	100,0
≥ 1500	100.0	00.00	ca.oli	00.00	00.0	100.01	C( )	000	100.0	100.0	100,0	100.0	100.0	100.0	Loc.c	100.0
≥ 1000	ice of	00.00	ice oli	00.01	00.00	00 - 01	inc of	00 0	00.0	100.0	00,0	00.0	100.0	100.0	100.0	100.0
≥ 800	160.00	oc oli	nu ol	00.00	00.00	00.01	00.01	00 0	00.01	00.01	00,0	00.0	100.0	100.00	100.0	00.0
≥ 600	100.00	00 01	^^ 01	00.01	00.00	00.01	20.01	00 00	00.00	00,0	00,0	00.0	.00.0	100 C	00.0	00,0
≥ 400	100.01	00.01	20.01	00.01	COADI	00.01	.00.01	00.00	00.00	00.01	00.01	00.01	00.0	100.01	100.0	.00,C
≥ 200	100.01	00.01	CD 01	00.01	00.01	00.01	CC -01	00 - 01	00.01	00,01	00.01	00.01	00.0	00,01	.00.01	00.0
	100.01															

TOTAL NUMBER OF OBSERVATIONS

2492

USAF ETAC 17.54 0-14-5 (OL A) MENOUS EUTIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

23111

LUKE AFB ARIZONA/THOENIX

42-46,51-72

YAY COOL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING	<u> </u>		_				VIS	IBILITY 'ST.	ATUTE MIL	ES						
FFET	≥10	≥6	≥5	≥4	≥3	≥2'5	≥ 2	≥1'.	≥1'₄	≥1	≥ 14	≥`•	≥ ;	≥5 16	≥ .	≥0
NO CEILING	93.7	33.6 93.8		83.7 93.8		83.7 93.8	83.7 93.8	83.7 93.8	83.7 93.8	83.7 93.8				83,7		
≥ 18000	94.4			94.6		94.6	94.6	94.6	94.5 95.4		94.6	94.6	94.6	94.6		94.6
≥ 14000 ≥ 12600	95.8	93.9	96.0	96.0		96.0	96.0	96.0	96.0 96.8	96.0		96.0	95.4	95.4		
≥ 10000 ≥ 2000	97.0	97.1		97.2	97.2	97.2	97.2	97,2	97.2 97.5		97.2	96.8	97.2	97.2	97.2	97.2
≥ 8000 ≥ 7000	97.7 98.3	97.8 98.4	57.9 98.5	97.9	97.9	97.9	97,9 98,6	97.9	97.9	97.9	97.9	97.9	97.9	97,9	97.9	
≥ 6000 ≥ 5000	99.2	99.3	99.4	99.4	99.4 99.8	99.4		99.4	99.4	99.4	98.6	99.4	98.6	9F.6	99.4	99.5
≥ 4500 ≥ 4000	99.6	99.8	99.9	99.5	99.9	99.91	99.9	99.91	99.0	00.0	00.0	on al	00 0	00 0	22.0	1
≥ 3500 ≥ 3000	99.5	99.8		N		100 C	5 U U a U II			100.00	L ለ ለ ለ ቦ	ות מחו	ות מו		lan r	too al
≥ 2500 ≥ 2000	99.0	99.8		- / - / 2		00.0			CHI A CON	1111 - Fill	200 00			~~ ~~		
≥ 1800 ≥ 1500	99.6	99,8				00.0										
≥ 1200 ≥ 1000	99.6	99.8		B - M	,	00.0			.UU a UU	.cu.nu	ino . nii	'AA . AB	AA A	AA AB		100 01
≥ 900 ≥ 800	99.6	99.8	// //	77474		00.00		.00 <b>-</b> 00	OO A OR	വവ വ	AA AB	AA AB	AA AN	AA AN	00 01	
≥ 700 ≥ 600			,,,,,	· / B · L		00.01			1117 - 5411	mo.m	nn nn	70 AB	^ ^ 7			
≥ 500 ≥ 400				77474		00.00		UUAVI	$\Omega O - \Omega \Pi$	no.m	$\Lambda \Omega$ . $\Lambda \Pi$		.AA AR	AA AN		M A A
≥ 300 ≥ 200	39.0	99.8	99.9	99.91	00.00	00.04	00.01	00,01	00.00	00.01	00.01	00.01	00.01	00.01	00.00	.00 . C
≥ 100 ≥ 0				, , , , , , , , , , , , , , , , , , ,	V V 1 V IA	00,01 00,01	C C a ULL		OO a DIL	OO - DIL	$n\alpha$ , $n\pi$	$\Omega \Lambda$ . $\Lambda \Pi$	$\Delta \Delta \Delta \Delta B$	$\Delta \Delta \Delta \Delta \Delta \Delta \Delta \Delta \Delta \Delta \Delta \Delta \Delta \Delta \Delta \Delta \Delta \Delta \Delta $	AA AB	MA A

TOTAL NUMBER OF OBSERVATIONS

2497

USAF ETAC 13.64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET							VIS	SIBILITY ST	ATUTE MIL	ES						
	≥10	≥6	≥ 5	≥ 4	≥3	≥2 7	≥2	≥1;	≥1.	≥;	≥ 14	≥ .	≥ ,	≥5 16	≥ .	≥0
NO CEILING ≥ 20000	86.2 92.3	80.7 92.9	80.8 93.0			8C.9	80.9 93.1	80,9	80,9 93.1		80.9 93.1				81.0	
≥ 18000 ≥ 16000	93.0 93.6	93.6	93.7 94.2	93.7	93.7	93.7	93,8	93.8		93,8	93.8	93,8	93.9	93.2	93.9	
≥ 14000 ≥ 12000	95.1 95.7	95.7 96.3	95.7 96.4	95.7	95.8	95.8	95.9	95.9 96.6	95.9	95.9	95.9			94.5	96.0	96.0
≥ 10000 ≥ 9000	96.1	96.7	96.8 97.0	96.8	96.9 97.1	96.9	97.0	97.0		97,0 97,2	97.0	97.0				
≥ 8000 ≥ 7000	97.0 97.7	97.6 98.3	97.7 98.4	97.7 98.4	97.8	97.8 98.5	97.9	97.9	97.9			97.2 98.0 98.6		97.2	97.2 98.0	
≥ 6000 ≥ 5000	98.8 98.8	99.2	99.3	99.5	99.4	99.4	99.5		99.5		99.6	99.6			98.7	98.7
≥ 4500 ≥ 4000	98.9	99.5	99.6	99.6	99.7	99.7	99,8		99.8	99.9	99,9 99,9	99.9	99.9	99.9	99.9	99.9
≥ 3500 ≥ 3500	98.9 98.9	99.5	99.6	99.6	99.7	99.7	99.8	99.9	99.9	99,9	99.9	99.9	100.0	99.9		100.C
≥ 2500 ≥ 2000	58.9 98.9	99.5	99.7	99.7	99.8	99.8	99.9	99.9	99.9	100.0	100,0	100.0	100.0	100.0	100.0	100.0
≥ 1800 ≥ 1500	98.9	99,5	99.7	99.7	99.8	99.8	99.9	99 9	99.9	100.0	00.0	.00 . C	100.0	100.0	100.0	100.c
≥ 1200 ≥ 1000	98.9 98.9	99.5	99.7	99.7	99.8	99.8	99.9 99.9	99.9	99.9	100.00	00.0	.co.di	100.0	100,01	0.00	
≥ 900 ≥ 800	45.9 98.9	99.5	99.7	99.7	99.8	99.8	99,9	99.9	99.9	100.01	00.01	00.0	00.0	00,0	00.0	
≥ 700 ≥ 600		99.5	99.7 99.7	99.7	99.8	99.8	99,9	99.9	99.9	00.01	00.01	00.0	.00.01	00.01	00.00	00.0
≥ 500 ≥ 400		99.5	99.7		99.8	99.8	99,9	99.9	99.91	00.01	00,01	00.01	00.01	00.01	00.01	
≥ 300 ≥ 200			99.7	99.7	99.8	99.8	99.9	99.9	99.91	00.01	00.01	00.01	00.03		00.01	00.0
≥ 100 ≥ 0			99.7			99 • 8		99.9	99.91	00.01	00.01	00.01	00.01	00.01	00.01	00.0

TOTAL NUMBER OF OBSERVATIONS

2493

USAF ETAC 10164 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 43-46:51-72

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING							VIS	BILITY (ST.	ATUTE MIL	E\$+						7
FEET	≥10	≥6	≥ 5	≥4	≥3	≥2'2	≥ 2	≥1'5	≥114	≥1	≥ 34	≥>,	≥'ว	≥5 16	≥ .	≥0
NO CEILING ≥ 20000	83.1 93.0	83.4 93.2	83.4 93.3	83.4 93.3	93.4	83 • 4 93 • 3	93.5 93.3	93.3	83.5 93.3	83.5 93.3	83.5 93.4	83.5 93.4	83.5 93.4	93.4	93.4	83.5 93.4
≥ 18000 ≥ 16000	93.5	93.7	94.4	93.8	93.8	93.8 94.4	93,8 94,4	93,8	93.8	93.8	93.8	93.8	93.8	93.8	94.5	93.8
≥ 14000 ≥ 12000	95.7	96.6	96.0	96.7	96.0	96.0 96.7	96.7	96.7	96.1	96.1	96.1	96.1 96.8	96.1 96.8	96.1 96.8	96.8	96.1 96.8
≥ 10000	96.9	97.4	97.3	97.4	97.3 97.4	97.4	97.3 97.5	97.5		97.4	97.4 97.6	97.4	97.6	97.6	97.5	97.6
≥ 8000 ≥ 7000	97.8 98.0	98,1	98.2 98.4	98.4	98.2 98.4	98.2	98.2 98.4	95,2	98.2 98.4	98.3 98.5	98,3 98,3	98.3 98.5	98.6	98.6	98.6	98.6
≥ 6000 ≥ 5000	98.8	99.1	99.6	99.6	99.2	99.2	99,8	99.8	99.8	99.8	99.4		99,9	99.9	99.9	99.9
≥ 4000 ≥ 3500	99.2	99.5 99.6	99.6 99.7	99.6 99.7	99.5 99.7 99.8	99.8 99.8	99.8 99.8	99.8	99.8 99.8		99,9	99.9	100.C	99.9 100.0	100.0	100.0
2 3000	99.3	99.6		99.7	99.8		99.9 99.9	99.9	99.9	99.9	100.0	100.C	100.0	100.0	100.0	100.0
≥ 2000	99.3	99.6	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99,9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500 ≥ 1200	99.3	99.6	99.7	99.7	99.8	99.8	99.9	99,9	99,9	99.9	100.0	100.0	100.0	100.0	100.0	100.C
≥ 1000	99.3	99.6	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	200.C	100.0	100.0
≥ 800	99.3	99.6		99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.3	99.6	99.7	99.7	99.d		99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400 ≥ 300	99.3	99.6		99.7		99.8	99.9		99.9	99.9	100.0 100.0	100.0 100.0	100.0 200.0	100.0	100.0	100.0
≥ 200	99.3				99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	1:00.0	1.00 0	100.0	100.0
≥ 0	99.3			1				99.9	99,9		00.0	100.0	100.0	100.0	00.0	100.0

USAF ETAC 101 04 0-14-5 (OL A) MENOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

LUKE AFB ARIZONA/PHOENIX 42-46.51-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100=2300

CEILING IFEET							VIS	BILITY (ST	IIM STUTA	ES)		<del></del>				
	≥10	≥6	≥5	≥4	≥3	≥2'י	≥2	≥117	≥114	≥1	≥ ¼	≥ > 4	≥ %	≥ 5 16	≥ '4	≥0
NO CEILING ≥ 20000	88.9 94.3	88.9 94.3	88.9 94.3		94.3	88.9 94.3	88.9	88.9	88.9	88,9	88,9	88.9 94.3	88.9	88.9	88.9 94.3	
≥ 18000	94.8 95.4	94.8 95.4			94.8 95.4	94.8	94,8		94.8	94.8		94.8			94.8	94.8
≥ 14000	96.9 97.7	97.0 97.8	97,8	97.8	97.0 97.8	97.0 97.8	97.0 97.8	97.0	97.0	97.0 97.8	97,0		97.0	97.0		97.0
≥ 10000	98.4 98.5			98.5 98.7	98.5 98.7	98.5	98.5	98.5	98.5	98.5		98.5	98.5 98.7	98.5	98.3	
≥ 8000 ≥ 7000	99.0 99.2			99.1	99.1 99.3	99.1 99.3	99.1	99.1	99.1		99.1	99.1	99.1	99.1	99:1	
≥ 6000 ≥ 5000	99.7	100.0	100.0	100.00	100.0	99,8	Lao', al	99.8	99.8	99.8	99.8	99.8	99.8	99,8	99.8	99.8
≥ 4500 ≥ 4000	99.9	100.0	100.0	100.0	100.0			00.0	100.0	100 B	100.0	100.0	100.0	100,0	100.0	100.0
≥ 3500 ≥ 3000	99.9	100.0	100.0	100.0	100.0	Loc and	100.0	00.0	100.0	00.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500 ≥ 2000	99.9	00.0	100.0	100.0	100.0	Loo all	100.0	LOO O	100.0	00,0	100.0	00.0	100.0	100.0	100.0	100.0
≥ 1800 ≥ 1500	99.9	00.0	00.0	100.0	100.01	00.01	00.0	100,0	100.00	00.0	100,0	100.0	00.0	100.0	100.0	100.0
≥ 1200 ≥ 1000	99.9	100.0		00.01	100.01	100.00	00.0	100,0	100.0	00,0	100,00	100.0	100.0	100,0	100.0	100.0
≥ 900 ≥ 800	99.9	00.0	100.0	00.01	100.01		00.0	100 0	100.01	00,0	100,0	00,0	00.0	100,0	100,0	00.0
≥ 700 ≥ 600	99.9	00 01	00.0	00.01	ום סטו	00.01	00.01	00.0	100 - 01	00.00	00.0	00.0	00.0	00,0	00.0	00.00
≥ 500 ≥ 400	99.9	00 01	00.00	100,00	00.01	00.01	00.00	00,0	00.01	.00.0	00,0	00.01	00.0	00.0	00.01	00.0
≥ 300 ≥ 200	99.91	oc ol	.00.01	00.01	00.00	00.01	00.01	00.01	00.01	00,01	00.01	00.01	00.0	00 0	.00.0	00,0
≥ 100 ≥ 0									00.01							

TOTAL NUMBER OF OBSERVATIONS

2474

USAF ETAC JUL64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

2#111 LUKE AFB ARIZONA/PHOENIX 42-46,51-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000=0200

CEILING							ViS	iBility (St	ATUTE MIL	ÈS)						
(FEET)	≥10	≥ŏ	≥5	≥ 4	≥3	≥2⅓	≥ 2	21%	≥''4	≥1	≥ 1,4	≥ >•	≥ ½	≥5-16	≥ 4	≥0
NO CEILING ≥ 20000	92.1 95.3	92,2	92.2 95.3	92,3 95.5	92.3	95.5		92.3 95.5	92.3	92.3	92,3	92.3	92.3	95.5	95.5	95.5
≥ 18000 ≥ 16000	95.0	95.6	95.6 96.1	96.2	95.3	95.8 96.2	36.2	95.3	95.8 96.2	95,8 96,2	95.8	95.8	95.8 96.2	95,8	95,8 96,2	96.2
≥ 14000 ≥ 12000	97.2 98.2	97.3 98.3	97.3	97,4 98.4	97.4 98.4	97.4	97.4	98.4	97.4	97,4	97,4	97,4 98.4	98.4	97.4	98.4	97.4
≥ 10000 ≥ 9000	98.7	98,9		99.0		99.0	99.0	99.0	99.0			99.0	99.0	99.0	99.0	99.0
≥ 8090 ≥ 7000	99,2	99.3	99.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.7
≥ 6000 ≥ 5000	59.5	99.9		99.9 100.0	100.0		100.0	100 0	99.9	-		W 50 0 5	100-0	100.0	79.79 100.0	100-0
≥ 4500 ≥ 4000	99.6	99.9	99,9	100.0	100.0	100.0	1000	100.0	100.0		100.0	100 0	100-0	100,0	100-0	100.0
≥ 3500 ≥ 3000	99.6	79.9	99.9	100.0		100 C	200.0	130,0	100.0	10050	100,0	100.0	100.0	00.0	10010	
≥ 2500 ≥ 7000 ≥ 1800	99.6	99.9	99,9	100,0	100.0	100.1	100.0	100.0	100.0	100,0	100,0	10030	100.0			4.4
≥ 1500	99,6	99.9	99.9	10/10	100.0	100 to	100.0	100-0	100.0	100.0	10000	100	36			\$ \$4 al.
≥ 1000	99,6	99.9	999	100.0	100.0	10350	100-0	100.0	10000	100.0	10020	00.1	4		34. E.	24 97 .
≥ 800	99.6	9999	99.9	200.0	20.0	0050	100.0	100.0	10000	00.0	00.0	10.4	1000	44.4	4.45	
≥ 600	99.6	99.9	49,9	100.0	100.0	100-0	10010	10000	10000	100-0	100%		100	-	11.	
≥ 500 ≥ 400 ≥ 300	99.6	90.0	9/19	10020	100.0	10000	10030	100.0	10000	100.5	100.0	000	100	2 A 10	P	
≥ 200	99.5	99.9	1000	100.0	07.0	100.0	100-0	100.0	10000	100.0	100.0		****	ava .		
≥ 100	99.5	99.9	2999	ioo.g	ro.c	Logic	10000	100.0	10000	100.0	日 ここまご	1111	400	ecentral value		

USAF ETAC WAS 0 14-5 (OLA) menocy solices of mis

# CEILING VERSUS VISIBILITY

LUKE AFB ARIZONA/PHOENIX

42-46,51-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING		·					VIS	BILITY (ST	ATUTE MIL	ES)						
	≥ 10	≥6	≥5	≥4	≥3	≥2%	≥ 2	≥1%	≥11⁄4	≥ı	≥ 1/2	≥ 5,4	≥ ⅓	≥ 5/16	≥ ′₄	≥0
NO CEILING ≥ 20000	91.2		91.4 94.4	91.4	91.4				91.4		91.4					
≥ 18000 ≥ 16000	94.5	94.6	94.7	94.7	94.7	94.7		94,7	94.7	94.7	94.7	94.7	94.4		94.4	
≥ 14000 ≥ 12000	96.6	96.7	96.8	96.9	96.9 98.4	96.9	96.9	95,1		96.9	95.1		95.1		95.1 96.9	95.1
≥ 10000 ≥ 9000	98.7	98.7	98.8 99.0	98.8	98.8	98.8	98.4	98.4 98.8 99.0	98.4 98.8	98.8	98.8	98.4	98.8	98.8	98.8	
≥ 8000 ≥ 7000	99.2 99.4	99.3		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.0	99.5	99.0	99.0	99.0	99.0
≥ 6000 ≥ 5000	99.6	99.7	99.8	99.9	99.9	99.7	99.0	00.41	99.01	99.7	00.01	99.7	99.7	99.7	99.7	99.7
≥ 4500 ≥ 4000	99.7 99.7						100.0		00.0	100.0	00.0	00.0	100.0	100.0	100.0	00.0
≥ 3500 ≥ 3000	99.7	99.9	00.0	00.0	100.0	00.0	00 0	00000	00.0	00.0	00.0	00.0	100.0	100 0	00.0	00.0
≥ 2500 ≥ 2000	99.7	99.9	00.01	00.0	100.0	00.0	00.0	00 01	20.0	00,00	00.0	00.0	0.00	100.0	00.0	0.00
≥ 1800 ≥ 1500	99.7	99.9	00.00	00.0	00.0	00.0	00.0	00 00	OO O	0000	00.0	00.0	00.0	00.0	00.01	00.0
≥ 1200 ≥ 1000	99.7	99.9	00.01	00.00	00.0	00.01	00.0	00.01	00 0	V 12 6 V 6	DO OF	00.00	00.0	00,0	00.01	00.0
≥ 900 ≥ 800	99.7	99.91	00.01	00.01	00.00	00.01	00.01	00 08	OO OF	UD OF	00.01	00.01	00.0	.00 -01	00.01	00.0
≥ 700 ≥ 600	99.7	99.91	00.00	00.01	00.00	00.01	00.0	00 08	00 0	OV OF	ON OF	<u>00 - 01</u>	00.01	00,00	<u>00,00</u>	00.0
≥ 500 ≥ 400	99.7	99.91	00.02	00.01	00.00	00.00	00.00	00.00	00.01	00 00	OO OF	00 - CI	00.01	00.01	00.01	00.0
≥ 300 ≥ 200	99.7	99.91	00.01	00.01	00.01	00.08	00.00	00 10	00 0	00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	XX • AF	UU - UIL	OO OU	00.01	00.0L	00.0
≥ 100 ≥ 0	99.7	99.91	00.01	00.01	00.01	00.01	00.08	00.00	00 00	00.04	00 00	00.01	00.0L	00.01	OO CI	00.0
L	- / 9 []	77971	A C & CIT	UU OUL	00.01	DC • CL	00.61	00.01	00.01	00.01	00.01	00.01	00.01	00.01	00.01	00.0

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

23111 LUKE AFE ARIZONA/PHOENIX

42-46,51-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)							VIS	IBILITY (ST	ATUTE MIL	ESi						
	≥10	≥6	≥ 5	≥ 4	≥3	دا2≤	≥ 2	≥1½	≥)¹∉	≥≀	≥ 1,4	≥ %	≥ ⅓	≥5 16	≥ 1,4	≥0
NO CEILING ≥ 20000	89.4 92.7	89.5 92.8					89.5		89.5	89,5	89.5		89.5			89.5
≥ 18000 ≥ 16000	93.3 94.6	92.5 94.8			93.5	93.5 94.8	93.5	93.5	93.5	93,5	93.5	93.5	93.5	93,5	93.5	92.9
≥ 14000 ≥ 12000	96.2 97.8	96.3			96.3	96.3	96,3	96,3	96.3	96,3 98.0	96,3			96.3	96.3	94.8
≥ 10000 ≥ 9000	98.7 98.7	98.8 98.9	4 -1	98.8	98.8	98.8			98.8	98.8	98.8 98.9	98.8	98.0 98.6	98.8	98.8	98.0
≥ 8000 ≥ 7000	99.4	99.5 99.8	99.8	99.5	99.5	99.5	99.5	99.5	99.5	99,5	99.5	99.5	99.5	99.5	99.5	99,5
≥ 6000 ≥ 5000	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100,0	100.0	100,0	100.0	100.0	100.0	100,0	100.0	100.0
≥ 4500 ≥ 4000	99.8	00.0	100.0	00.0	100.0		100.0	100,0	100 • 0	100,0	100,0	100.0	100.0	100,0	100.0	100.0
≥ 3500 ≥ 3000	99.8	00.0	100.0	100.0	00.0	00.0	100.0	00.0	00 0	00.0	00.0	100.0	00.0	100.0	100.0 100.0	00.0
≥ 2500 ≥ 2000	99.8	00.0	.00.0	100.0	00.0	loc.cl	100.0	00 0	00.0	00.0	00.0	100.0	00.0	00-0	100.0	.00.0
≥ 1800 ≥ 1500	99.81	00.00	00.0	00.00	0.00	00.0	00.0	00,0	00.0	00.0	00.0	00.0	00.0	00.0	100.0	00.0
≥ 1200 ≥ 1000	99.81	00.00	00.01	00.0	00.00	00.0	00 0	00 0	00.0	OC CI	00.0	00.0	00.0	.00.0	00.0	00.0
≥ 900 ≥ 800	99.81	00.01	00.01	00.01	00.01	00.01	00.0	00 0	00 01	00.0	ON OF	00.0	00.0	00.0	00.01	00.0
≥ 700 ≥ 600	99.81	00.01	00.01	00.01	00.01	00.01	00,01	00,0	00.01	00.01	00.01	00.01	00.01	00.01	0.00	00.0
≥ 500 ≥ 400	99.81	00.01	00.01	00.01	00.01	00.01	00,01	00,01	00.01	00.01	00.01	00.01	00.01	00.01	00.01	00.0
≥ 300 ≥ 200	99.81	00.01	00.01	00.01	00.01	00,01	00,01	00,01	00.01	00,01	00,01	00.01	00.01	00 01	00.01	00.0
≥ 100	99.81	00.01	00.01	00 01	00 01	00 01	00 0	00 0	<u> </u>	OU DUL	VV a VI	UU . UIL	OUPOL	00.01	00.01 00.01 00.01	00.0

TOTAL NUMBER OF OBSERVATIONS

2382

USAF ETAC JULIA 0+14+5 (OL A) PREVIOUS EDITIONS OF 1/1/15 FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST.	ATUTE MIL	ES)						
FEET	≥10	≥6	≥5	≥ 4	≥3	≥2⅓	≥2	≥1½	≥14	≥1	≥ ⅓,	≥≒	≥ 1/2	≥5 16	₹,4	≥0
NO CEILING ≥ 20000	92.5	89.0 92.7	89.2 92.8	89.3 92.9	89.3 92.9		89.3 92.9	92.9	92.9	89,3 92.9	92.9	89.3 92.9	89.3		89.3	89.3 92.9
≥ 18000 ≥ 16000	93.1 94.5	93.3	94.8				93.5	94.9	93.5	93.5	94.9	93.5	93.5	93.5	93.5	93.5
≥ 14000 ≥ 12000	96.3	98 1	98.3	98.3	98.3	96.7 98.3	96.7	98.3	96.7 98.3	96.7	98.3	96.7	98.3	96.7 98.3	96.7 98.3	96.7 98.3
≥ 10000 ≥ 9000	98.2 98.5	98.7	98.8	98.9	98.9	98.9	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.5 98.9
≥ 8000 ≥ 7000	99.1 99.2		99.6	99.6	99.6		99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.5
≥ 6000 ≥ 5000	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99:9	99.9	99.9	99.9	99.9	99.9	99,9
≥ 4500 ≥ 4000	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500 ≥ 3000	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0
≥ 2500 ≥ 2000	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800 ≥ 1500	99.6	99.8	100.0	100.0	100.0	100 c	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.c
≥ 1200	99.6	99.8	100.0	100.0	100.0	100 C	100,0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.C
≥ 900 ≥ 800	99,6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.c
≥ 700 ≥ 600	99.6	99.8	100.0	100.0	100.0	100 C	100.0	100.0	100.0	100.0	100.0	100.c	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	99.6	199.8	100.0	100.0	100.ci	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100-0	100.0
≥ 100 ≥ 0	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100,0 100,0	100.0	100.0	100.0	100.0	100.0	100,0

TOTAL NUMBER OF OBSERVATIONS ...

2382

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1

### CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-72

MYN.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEIUNG							VIS	IBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2⅓	≥2	≥1 %	≥1%	≥1	≥ 34	≥ર•	≥ 'ז	≥5 16	≥14	≥0
NO CEILING ≥ 20000	90.2	90.3 94.3	90.5	90.6		90.6	90.6	90.6	90.6	90,6		90.6	90.6	90.6	90,6	90.6
≥ 18000 ≥ 16000	94.8 96.0	94.9 96.1	95.1 96.3	95.2	95.2 96.4	95,2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2 96.4
≥ 14000 ≥ 12000	97.3	97.4 98.4	99.5	97.7 98.7	97.7 98.7	97:7 98:7	97,7 98,7	97.7	97.7 98.7	97,7	97.7	97.7 98.7	97•7 98•7	97.7 98.7	97.7 98.7	97.7 98.7
≥ 10000	98.7 98.9	98.8 99.0	99.2	99.1	99.1 99.3	99.1 99.3	99.1 99.3	99,1	99.1 99.3	99,1	99.1	99.1	99,1	99.1	99,1	99.1
≥ 8000 ≥ 7000	99.2	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 6000	99.4	99.5			100.0			loc o		100.0	100.0		100.0		100.0	100.0
≥ 4500 ≥ 4000 ≥ 3500	99.5 99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100,0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	99.5	99.7 99.7	99.9	100.0	100.0 100.0	100 c	100.0	120.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	loc.c
≥ 2000	99.5	99.7 99.7	99.9	100.0	100.0 100.0	100 C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.5	99.7	99.9	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	loc.o	
≥ 600	99.5		99.9	100.0	100.0	100 C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.5		99.9	100.0	100.0	100.C	100.0	100.0	100.0 100.0	100.0	100.0	100.C	100.0	100.0	100.0 100.0	100.0
≥ 200	99.5		99.9	100.0	100.0 100.0	100.0 100.0	100.0	100.0	100.0 100.0	100.0 100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.C
≥ 0	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS, ....

2382

USAF ETAC 10164 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 42-46.51-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CERING FEET							VIS	IBILITY (ST	ATUTE MIL	ES1				<del></del>		
	≥10	≥6	≥5	≥ 4	≥3	≥21⁄2	≥2	≥11⁄2	≥1¼	≥1	≥ ⅓,	≥ 5/4	≥ 1/2	≥ 5 16	≥ 1,4	≥0
NO CEIUNG ≥ 20000	89.5 95.1	89.7 95.3	89.8 95.4	89.8 95.5	89.8 95.5	89.8 95.5	89.9	89,9		89,9	89,9		89.9	1 2 7	89.9	89.9
≥ 18000 ≥ 16000	95.4 96.1	95.6	95.7	95.8	95.8 96.5	95,8		95.8	95.8	95,9	95,9	95.9	95.9	95.9	95,6	
≥ 14000 ≥ 12000	97.0	97.3	97.4 98.3	97.4	97.4	97.4 98.3	97.4	97.4 98.4	97.4 98.4	96.6 97,5 98.4	97.5	97.5	96.6	97.5	96.6	96.6
≥ 10000 ≥ 9000	98.3 98.4	98.5 98.6	98.6		98.7	98,7	98.7 98.8	98.7 98.8	98.7 98.8	93,7	98,7	98.4	98.4	98.4	98.4	98.4
≥ 8000 ≥ 7000	98.6 99.0	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	98.3	98.8	98.3	98.8 99.1	98.8 99.1	99.1	
≥ 6000 ≥ 5000	99.4	99.6	99.7	99.7	99.7 99.8	99.7 99.8				99.4 99.9	99.4	99.4	99.4	99,4	99,4	99.4
≥ 4500 ≥ 4000	99.5	99.7	99.8	99.9	99.9	99.9	77.7	100 • VI	100.00	100 • CD	LGO • OD	LOO - O	1.00.01	וֹח - חח ו	i na . ni	100 0
≥ 3500 ≥ 3000	99.5	99.7	99.8	99.9	99.9	99,9	77.7	100 • U	LOO - 01	00.0	.00.00	LOO - Oi	LOOLOÏ	ות - ממ ז	ו הח. הו	100.0
≥ 2500 ≥ 2000	99.5	99.7	99.8	99.9	99.9	99,9	フフョブ		.00.00	00.0	00.00	ומ ב ממו	00.00	lan - al	100.0	100.0
≥ 1800 ≥ 1500	99.5	99.7	99.8	99.9	99,9	7707	7787	100 • VII		00.0	.00.00	ווס ג מס ו	Lለበኤስኮ	LAA . Ali	I A A A	100 0
≥ 1200 ≥ 1000	99.5	99.7	99.8	99.9	99.9	99,9	77.77	. Q O • Ω J	LOO - On	00.0	.00 • 013	.CO • 0l1	Loo a off	Loo-ni	00-01	100.0
≥ 900 ≥ 800	99.5	99.7	99,8	99.9	99.9	99.9	77.7	,00 • UD	.00 • CD	00.01	.00 - 01	الم و ٥٥.	00.00	Lon- of	00.01	00.0
2 700 ≥ 600	99.5	99.7	90,8	99.9	99.9	99.9	77.7	'OO•Ol	.00 • CII	00.01	00.01	.00 • ch	loo. oit	LOOLOI	00.01	00.0
≥ 500 ≥ 400	99.5	99.7	99,8	99.9	99.9	77 97	77.71	.00 • UD	.00 . 01	00.01	00.01	.00 - 01	:00 • 0h	Loo Lolt	00.05	200
≥ 300 ≥ 200	99.5		99.8	99.9	99.9	7767	フフェツル		בום ביסט	00.01	no Lon	00.00	00.0H	00.01	AA AI	00 0
~ .	99,5	99.7	99.8	99.9	77 17	99.0	99.91	00.01	00.01	00.01 00.01 00.01	00.01	00.01	00.00	00.01	00.01	00.0

TOTAL NUMBER OF OBSERVATIONS

2386

USAF ETAC 10164 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-72

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING IFEET							VIS	IBILITY (ST	ATUIE MIL	ES,						<del></del>
	≥10	≥6	≥ 5	≥ 4	≥3	≥2 າ	≥ 2	دراخ	≥1¼	≥1	≥ 14	≥ 3/6	≥ %	≥ 5 16	≥ .	≥0
NO CEILING ≥ 20000	88.5 93.8	88.7 94.2	88 · 8	86.6	88.8	86.8	88.9	86,9	88.9	88.9	89.0		7.7			89.0
≥ 18000 ≥ 16000	94.3 95.2	94.7	94.8	94.8	94.8	94.9	95.0	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	94.6
≥ 14000 ≥ 12000	96.1 97.0	96.5	96,6	96.6	95.7	96.7	96.9	96.9	96.9	96.9	97.0	95.9		95.9 97.0	96.0	96.0 97.1
≥ 10000 ≥ 9000	97.6	97.9	98.1 98.1	98.2	98.2	98.3	911.4	98.4	98.4	98,5 98,6	98.5	96.3	97.9	98,6	98.6	98.0 98.6
≥ 8000 ≥ 7000	97.9 98.1	98.2 98.4	98.4	98.5	98.6	98.7	96,8	98.8	98.8	98,9	98.6 98.9 99.1	98.6	98.7	98.7	98.7	98.7
≥ 6000 ≥ 5000	98.4 98.5	98.8	99.0	99,0	99.1	99.2	99,3	99,3	99.3	99.0	99.5	99.5	99.5	99,5	99.6	99.0
≥ 4500 ≥ 4000	98.7	99.0	99.2	99.3	99.4	99.5	99.6	99.6	99.6	99,7	99,8	99.7	99.7	99.7		100.0
≥ 3500 ≥ 3000	98.7	99.0	99.2	99.3	99.4	99,5	99,6	99.6	99.6	99.7	99.8	99.8	99.8			100.0
≥ 2500 ≥ 2000	98.7 98.7	99.0	99.2	99.3	99.4	99.5	99.6	99.6	99.6	99.7	99.8 99.8	99.8	99.8	99.8	00.0	00.0
≥ 1800 ≥ 1500	98.7	99.0	99.2	99.3	99.4	99,5	99.6	99.6	99.6	99,7	99.8		99.8	7		00.0
≥ 1200 ≥ 1000	98.7	99.0	99.2	99.3	99.4	99,5	99.6	99.0	99.6	99,7	99.8	99.8	99.8	99.81		00.0
≥ 900 ≥ 800	98.7 98.7	99.0	99.2	99.3	99.4	99.5	99.6	99.6	99.6	99.7	99.8 99.8	99.8	99.8	99.81		00.0
≥ 700 ≥ 600	98.7 98.7	99.0	99.2	99.3	99.4		99.6		99.6	99,7	99.8	99.8	99.8		$\begin{array}{c} 00 \cdot 01 \\ 00 \cdot 01 \end{array}$	00.0
≥ 500 ≥ 400	98.7	99.0	99.2 99.2		99.4	99.5	99.6	99,6		99.7	99.8	99.8	99.8	7 -1-	00.01	00.0
≥ 300 ≥ 200				99.3	99.4	99,5	99.6	99.6	99.6	99,7	99,8	99.8		99,81		00.0
~ ^ l		99,0	99.2	99.3	99.4	99.5	99,6	99,6	99.6	99,7	99,8	99.8	99.8 99.8	99.81 99.81		00.0

TOTAL NUMBER OF OBSERVATIONS

2384

USAF ETAC 100 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS JORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING							ViS	BILITY (ST	ATUTE MIL	ES:					<del></del>	
	≥10	≥6	≥ 5	≥ 4	≥3	≥2'⁄2	≥ 2	≥1½	≥1%	≥1	≥ 14	≥ 'a	≥ '2	≥ 5 16	≥ '4	≥0
NO CEILING ≥ 20000	91.0 94.2	91.3	91.3	91.4		91.4	91.5	91,5	91.5	91,5	91.5	91.5	91.5	91.5	91,5	91.5
≥ 18000 ≥ 16000	94.4 95.0	94.6 95.3		94.8 95.4	94.8	94.8 95.4		94.9	94.9	94.9	94,9 95.6	94.9	94.9	94.9	94.9	94.7
≥ 14000 ≥ 12000	96.2	96.4	96.5	96.6	96.7	96.7 97.7	96.8 97.8	96.8 97.8	96.8 97.8	96.8 97.8	96.8 97.8	96.8 97.8	96.8	96,8 97.8	96.8	95.6 96.8 97.9
≥ 10000 ≥ 9000	97.7 97.9	97.9 98.1	98.0 98.2	98.2 98.4	98.2 98.4	98,2 98,4	98.3 98.5	98.4	98.4 98.6	98.4	98.4	98.4	98.4 98.6	98.4 98.6	98.4	98.4
≥ 8000 ≥ 7000	98.3 98.7	98.6 99.0	98.7 99.0	98.8 99.2	98.9 99.2	98.9 99.2	99,0 99.4	99.0	99,0	99,1	99.1	99.1	99.1	99.1	99,1	99.1
≥ 6000 ≥ 5000	99.0	99.4 99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99,9	99.9	99.9	99.9	99.9	99.9
≥ 4500 ≥ 4000	99.1	99.5	99.5	99.7 99.7	99.7	99.7	99.9	99,9	79.9	00.0	.00.0	100 e el	100.0	Loo act	Loo. ol	100.0
≥ 3500 ≥ 3000	99.1 99.1	99.5	99.5	99.7 99.7	99.7	99.7	99,9	99.9	99.9	.00,01	00.0	00.0	100.0	00.0	100.0	100.0
≥ 2500 ≥ 2000	99.1	99.5	99.5	99.7	99.7	99.7	99,9	99.9	99.9	100.01	00.00	00.00	100,0	00.00	00.0	100.0
≥ 1800 ≥ 1500	99.1	99,5	99.5	99.7	99.7	99.7	99.9	99.9	99.90	00.01	00.00	00.00		00.00	00.0	00.0
≥ 1200 ≥ 1000 ≥ 900	99.1 99.1	99,5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	00,01	00,00	00.00	00.0	00.01	00.0	00,0
≥ 800 ≥ 700	99.1	99.5	99.5	99.7	99.7	99.7	99.9	99,9	99.91	00.01	00.01	00.0		00.01	00.0	00.0
≥ 600	99.1	99.5	99.5	99.7	99.7	99.7	99,9	99,9	99.91 99.91	00.01	00,01	00.01	00.01	00.01	00.00	0.00
≥ 400 ≥ 300	99.1	99.5	99.5 99.5	99.7	99.7	99:7		99,9	99.91	00.01	00.01	00.0	00 • 01 00 • 01	00.01	00.00	00.0
≥ 200	99.1	99.5	99.5	99.7 99.7 99.7	99.7		99.9	99.9	99.91	00.01	00.01	00.01	.00 • 01 .00 • 01	00.01	00.01	0.00
≥ 0	99.1		99.5	99.7	99.7	99:7		99,9	99.91	00,01	00,01 00,01	00.01	00.01	00.01	00.01	00.0

TOTAL NUMBER OF OBSERVATIONS

2385

USAF ETAC 100M 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### CEILING VERSUS VISIBILITY

C

23111 LUKE AFS ARIZONA/PHOENIX 42-46.51-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000=0200

CEILING			-				VIS	BILITY 'ST,	ATUTE MIL	ES <sup>1</sup>						
FEET	≥10	≥6	≥ 5	≥ 4	≥3	≥2 2	≥2	≥1 :	≥1',	≥1	≥ ,•	≥ક્	≥%	≥5 16	≥ .	≥0
NO CEILING ≥ 20000	70.1 73.2	70.3 78.4	70.4 78.5	70.4 78.5	70.4 78.5	70,4 78,5	70,5	70.5 78.6	70.5 78.6	70.5 78.6	70.5 78.6	70.5 78.6	70,5	70,5	70.5	70.3 78.6
≥ 18000 ≥ 16000	78.7 79.9	79.0 80.1	79.0	79.0 80.2	79.0 80.2	79.1	79,2	79,2 80,3	79,2 80,3	79.2	79,2 80.4	79.2 80.4	79.2	79.2 80.4	80.4	79.2 80.4
≥ 14000 ≥ 12000	36.7 91.6	87.0 92.1	97.0 92.2	87.1 92.3	87.1 92.3	87.1 92.4	87.2 92.5	87,2 92,5	87.2 92.5	67.3 92.5	87.3 92.5	92.5	92.5	92,5	92.5	92.5
≥ 10000	94.2 95.0	95.5	94.8 95.6	94.9	95.0 95.8	95.0 95.8	95.1 95.9	95,1 95,9	95.1 95.9	95.2	95.2	95.2		95.2	96.0	96.0
≥ 8000 ≥ 7000 ≥ 6000	96.2 97.5	96,8 98.2 98.7	97.0 98.4 98.9	97.1 96.4 96.9	97.2 98.6 99.1	97.3 98.6 99.2	97.4 98.8 99.3	97,4 98,8 99,4	97.4 98.8 99.4	97.5 98.9 99.5	97,5 98.9 99.5	97.5 98.9 99.5	97.5 98.9 99.5	97,5 98.9 99,5	98.9	98.9
≥ 5000 ≥ 4500	98.0 98.0	99.1	99.2	99.3 99.3	99.5	99.5	99.7	99.4 99.7	99.7	99.8	99.8 99.8	99.8	99.8	99.8	99.8	99.8
≥ 4000	95.0	93.2	99,3	99.4	99.6	99.6	99 8 99 8	99.8	99.a	99.9		99.9	100.0	100.0	100.0	100.0
2 3000 2 2500	98.0	95.2		99.4	99.6		99.8	99 8 99 8	99.8	99,9	99,9	99.9	100.0	100.0	100.0	100.0
≥ 2000	98.0	99.2		99.4	99.6 99.6	99.6	99.8	99.8 99.8	99.8	99,9	99.9	99.9	100.0	100 • 0	100.0	100.0
≥ 1500 ≥ 1200 ≥ 1000	98.0	99.2				99.6	99.8	99,8	99.8	99.9	99.9	99,9	100.0	100.0	200	100.0
≥ 900 ≥ 800	98.0	99.2	99.3	99.4		99.6	99.8	99,8 99,8 99,8	99.8 99.8	99,9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 700 ≥ 600	98.0	99.2 99.2 99.2	99.3	99.4	99.6	99.6	99.8	99.8 99.8	99.8	99.9	99,9	99.9	100.0	100,0		100.0
≥ 500 ≥ 400	98.0	99.2	99.3	99.4		99.6	99.8 99.8	99 8 99 8	99.8	99,9 99,9	99.9	99.9	100.0	100.0		100.0
≥ 300 ≥ 200	98.0 98.0	99.2	99.3	99.4		99.6	99.8	99,8 99,8	99.8 99.8	100.0	100.0		100.0	100.0	1	100.0
≥ 100 ≥ 0	98.0 98.0				99.6	99.6			99,8	100.0	100,0	100.0 100.0	1	100.0		100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 101.64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2442

# CEILING VERSUS VISIBILITY

LUKE AFB ARIZONA/PHOENIX

42-46,51-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300=0500

CEILING				7.			·S	BILITY /ST	ATUTE MIL	LES)				<del></del>		·
FEET	≥10	≥6	≥5	≥ 4	≥3	≥2'2	≥2	≥157	≥1.	≥1	≥ ¼	≥ `•	≥ ′5	≥5 16	≥ .	≥0
NO CEILING ≥ 20000	70,2 77,1	70.4	70.4	70.4										70.5	70.5	70.5
≥ 18000 ≥ 18000	77.7	77,9	77.9						78.0	78,0	78.0	78.0	77.5	77.5	77.5 78.0	
≥ 14000 ≥ 12000	85.2 91.9	83.5	85.5		85.5	85,5		85.6	79.7 85,6		85.6	85.6	85.6	79.7 85.6	79.7 85.6	79.7 85,6
≥ 10000 ≥ 9000	95.2 96.0	95.6	95.6		95.7	95.7	95.7	95.7	95.7	95.7	95.7	92.4	92.4	92.5		
≥ 8000 ≥ 7000	97.2 98.1	97.8 90.6	97.8		97.9	97.9	96.6 97.9 98.8	97.9	97.9		97.9	97.9	96.6	96.6		
≥ 6000 ≥ 5000	98.7	99.3		99.5	99.5	99.5	99,5	99.5	99.5	99,5	99.5	98.6	99.6		98.9	99.6
≥ 4500 ≥ 4000	98.8	99.5	99.5	99.6	99.7 99.8	99.7	99,7	99,7	99.7	99.7	99,7	99,7	99.8		99.8	
≥ 3500 ≥ 3000	99.0	99.6	99.7	99.8	99.8	99,8	99.8 99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	-
≥ 2500 ≥ 2000	99.0	99.7	99.8			99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
≥ 1800 ≥ 1500	99.0	99.7	99.8	99.8	99.9	99.9	99,9	99.9	99.9	99,9	99.9	99.9	00.0	00.0		100.0
≥ 1200 ≥ 1000	99.0	99.7	99.8	99.8	59.9	99.9	99,9	99.9 99.9	99.9	99.9	99.9	99.9	00.0		LOC • 01	00.0
≥ 900 ≥ 860	99.0	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99,9	99.9	99.9	00.0	00.0	00.01	00.0
≥ 700 ≥ 600	99.0	99.7		99.8	99.9		99,9	99.9	99.9	99,9	59,9	99.91	00.01		00 01	00.0
≥ 500 ≥ 400		99.7		99.8	99.9	99,9	99.9	99.9	99.9	99.9	99.9	99.91	00.01	00.01		0.00
≥ 300 ≥ 200		99.7	99.8	99.8	99.9	99.9	99,9	99,9	99,9	99.9	99,9	99.91	00.01	00.01	00.01	00.0
≥ 100 ≥ 0	- "	99.7	99.8	99.8	99.9	99 , 9	99.9	99.9	99.9	99.9	99.9	99.91	00-01	00.01	00.01	00.0

TOTAL NUMBER OF OBSERVATIONS

2413

USAF ETAC 100M 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHDENIX 42-46,51-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET		·					VIS	IBILITY (ST	JIM 31U1A	ES,			· · · · · · · · · · · · · · · · · · ·			
	≥10	≥6	≥5	≥ 4	≥ 3	≥ 2 1/2	≥?	≥1%	≥1%	≥1	≥ 1,4	≥,•	≥ '4⁄	≥ 5/16	≥ .	≥0
NO CEILING ≥ 20000	56.9 73.8	57.4 74.4	57.5 74.5	67.5 74.5		67.5	67.5 74.5	67.5	67.5	67.5	67.5	67.5	67.5		67.5	
≥ 18000	74.7 76.8	75.2 77.4	75.4	75.4	75.4 77.5	75.4	75.4	75.4	75.4	75.4	75,4	75.4	75.4	74.5	75.4	74.5
≥ 14000 ≥ 12000	84.9 92.6		85.6 93.3	85.6 93.3	85.6 93.3	85.6	85.6 93.3	85.6	85.6	85,6	85.6	85.6	85.6		85.6	
≥ 10000	95.6 96.7	97.3	97.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5 97.4	96.5		- 7	93.3	93.3
≥ 8000 ≥ 7000	97.8 98.2	98.4 98.8	98.9	98.6	98.6	98.6	98.6	98,6		98,6	98.6 98.9	98.6	98.6	98.6	98.6	98.6
≥ 6000 ≥ 5000	98.8 99.0	99.6	99.7	99.5	99.5	99.5	99.5	99,5	99.5	99,5	99.5	99.5	99.5	98.9	98.9	99.5
≥ 4500 ≥ 4000	99.0	99.6	99.8	99.8 99.8	99.8	99.8	99.8 99.8	99.8	99.8	99.8 99.8	99.8		99.7 99.8 99.8	99.7 99.8 99.8	99.7	99.8
2 3500 2 3000	99.0	99.6	97.8	99.8 99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8	99.8 99.8	99.8
≥ 2500 ≥ 2000	99.0	99.7	99.8	99.8	99.8	99 B		99.8	99.8	99,8	99.8	9.8	99.8	99.8	99.8	99.8
≥ 1800 ≥ 1500	99.0		99 • 8 99 • 8	99.9	99.9	99,9	99,9	99.9	99.9	99,9	99,9	99.9	99.9	99,9	99.9	99.9
≥ 1200 ≥ 1000	99.0	99.8	99.9	00.0	00.01	00.00	00.01	00.00	00.00	20,01	00,01	00.01	.00.ор	00.0	00.0	00.00
≥ 900 ≥ 800	99.0	99.81	00.00	00.00	00.01	00.01	00.01	00.00	00.01	00.01	00.01	00 • ob	·00 • 05	00,0	.00.cp	00.00
2 700 2 600	99.0	99.81	00.00	00.00	.00.01	00.01	00.01	00.00	00.01	00 04	00.01	00.0	00 + OF	00,00	.00 • ob	00.00
≥ 500 ≥ 400	99.0	99.8	00.00	00.01	.00.01	00.01	00.01	00.01	00.04	00,04	00,01	00.01	40,00	00,00	00.0h	00.0
≥ 300 ≥ 200	99.0	99.81	00.01	00.01	00.01	00.01	10.00	00 00	00.01	00.01	00,02	00.01	00,00	oc.op	00.01	00.0
≥ 00					00.01											

TOTAL NUMBER OF OBSERVATIONS

2492

USAF ETAC 10-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### CEILING VERSUS VISIBILITY

LUKE AFB ARIZONA/PHOENIX

42-46,51-72

0900-1100

4 10

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES ≥ 3 ≥2'2 ≥0 NO CEILING 74.2 74.3 74.3 74.3 74.4 74,4 74.4 74.4 74,4 74.4 74.4 74.4 74.4 74.4 74.4 80.4 80.4 80.5 80.5 80.5 80.6 80.6 80.6 80.6 ≥ 18000 ≥ 14000 ≥ 12000 ≥ 10000 ≥ 9000 ≥ 8000 ≥ 7000 ≥ 6000 ≥ 5000 ≥ 4500 ≥ 4000 ≥ 3500 ≥ 3000 ≥ 2500 ≥ 2000 ≥ 1800 ≥ 1500 ≥ 1200 900 700 400 200

TOTAL NUMBER OF OBSERVATIONS

2484

USAF ETAC 10.65 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

22111 LUKE AFB ARIZONA/PHOENIX 42-46.51-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET				· · · · · · · · · · · · · · · · · · ·			VIS	IBILITY (ST	ATUTE MIL	ES:						
	≥10	≥6	≥5	≥ 4	≥3	≥2'2	≥ 2	≥11/2	≶1,⁴	≥≀	≥ 14	≥ %	≥ 1/2	≥ 5/16	≥ ′₄	≥0
NO CEILING ≥ 20000	81,8 86.9	82.1 87.2	82.2 87.3		82.2	82,2 87,4	82.2	82,2				82.2			82.2	82.2
≥ 18000 ≥ 16000	87.5 89.2	87.8 89.5	88.0	88.0	88.0	88.0 89.7	88.0	88,0	88.0	88.0		88.0	88.0	88.0	88.0	88,0
≥ 14000 ≥ 12000	93.1 97.0	93.5	93.6		93.6	93.6		93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 10000 ≥ 9000	98.5	98.8	99.0	99.0	99.0	59.0	99,0	99.0	99.0	97.5	99,0	99.0	99.0	99,0		97.5
≥ 8000 ≥ 7000	98.6	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.0 99.2	99.2	99.2	99.2	99.2	99.0	99.0
≥ 6000 ≥ 5000	98.9	99.3	99.4	99.4	99.4		99.4	99.4	99.3	99.4	99.4	99.4	99.4	99,4	99.4	99.3
≥ 4500 ≥ 4000	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99,8	99.8	99.8	59.8	99.8	99.8	99.8
≥ 3500 ≥ 3000	99.2	99.6	99.7	99.8	99.8	99.8 99.8 99.9	99.8	99.8	99.8	99,8 99,8	99,8	99.8	99.8	99.8	99.8	99.8
± 2500 ≥ 2000	99.4	, , , , ,				10041			LOO_00	: nn - ni	IAO AF	100 00	1 ~ ~ ~ ~ ~	100 05		99,9
≥ 1800 ≥ 1500	99.4	99.8	99.9	00.0	00.0	00.00	00.00	00.0	00.0	00.0	00.0	100.0	00.0	00.0	00.0	lco,c
≥ 1200 ≥ 1000		99.8	00.0	00.0	100.0	00.01	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	00.0	100.0
≥ 900 ≥ 800	99.5	99.8	00.0	00.00	00.0	00.01	00.01	00.0	00.01	00.0	00.0	00.0	00.0	00 0	00.0	00.0
2 700 ≥ 600	99.5	99,8	00.01	00.00	00.00	00.01	.00.01	00.01	00.01	00.00	00.0	00.0	00.00	00.0	00.01	00.0
≥ 500 ≥ 400	99.5	99.81	00.00	00.01	00.0	00.01	00.01	00.00	00.00	00.01	00.01	00.01	00.00	00.00	00.01	.00.0
	99.5	99.81	00.00	00.00	00.01	00.01	20.01	00.00	00.01	00.00	00 01	00 cn	00.00	00.00	00.01	00.0
≥ 100	99.5	99.8	00.01	00.01	00.01	00 01 00 01 00 01	00.01	00.01	00.01	00.01	00.00	00.00	00.01	00.01	00.01	00,0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_

2493

USAF ETAC JULICA 0+14+5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

0

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)		<del></del>					VIS	BILITY IST	ATUTE MIL	.ES)					<del></del>	
	≥10	≥6	≥5	≥4	≥3	≥2%	≥ 2	21%	≥14	≥ı	≥ 3,4	≥ ⅓	≥ 1/2	≥5 16	≥ ¼	≥0
NO CEILING ≥ 20000	82.2 90.5	82.3	82.3 90.7	82.3 90.7	82.3	82.3	82.3	82,3	82.3	82.3	82,3				82.3	
≥ 18000 ≥ 16000	90.9 91.8	91.1 91.9	91.1 92.0	91.1	91.1	91.1	91.1	91.2	91.2	91.2	91,2	90.8	90.8	90.8 91.2	90.8	90.8
≥ 14000 ≥ 12000	94.7	94.5	94.9	94.9	95.0	95.0	95.0	95,0 98.2	95.0	95,1	92.1 95.1	92.1 95.1	92.1	92.1 95.1	92.1	92.1
≥ 10000 ≥ 9000	98.5 98.5	98.6	98.7	98.8	98.9	98.9	98.9	98.9	98.9	99.0	98.2		98.3	99.0	98.3 99.0	98.2
≥ 8000 ≥ 7000	98.7	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.0 99.2	99.3	99.3	99.0	99.3	99.3	99.3	99.3
≥ 6000 ≥ 5000	99.1 99.2	99.3	99.4	99.4	99.6	99.6	99.6	99,6			99.6	99.6	99.7	99.7	99.7 99.7	99.7
≥ 4500 ≥ 4000	99.2	99.4	99.4	99.5	99.7	99.7	99.7	99,7	99.7	99.8	99.8	99.8	99.8	99.8		99.8
≥ 3500 ≥ 3000	99.2	99.4	99.4	99.5	99.7	99.7	99.7	59.7 99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99,8
≥ 2500 ≥ 2000	99.2 99.2	99.4	99.5	99.6	99.7	99.7	99.7	99 8 99 8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99,8 99,9
≥ 1800 ≥ 1500	99.3	99.5	99.6	99.6	99.8		99.8 99.8	99 8 99 8	99.8	99.9	99.9				99.9	
≥ 1200 ≥ 1000	99.3	99.5	99.6	99.6	99.8	99,8	99.8	99.8	99,8	99.9	99.9	99.9	00.0	00.0	00.0	100,0
≥ 900 ≥ 800	99.3	99.5	99.6	99.6	99.8	99.8	99.8	99.0 99.8	99.8	99,9	99.9	99.9	00.0		00.0	00.0
≥ 700 ≥ 600	99.3	99.5	99.0	99.6	99.8	99.8	99.8 99.8	99.8 99.8	99.8	99.9	99.9	99.9	00.01	00.01	00.0	00.0
≥ 500 ≥ 400	99,3	99.5				99.8	99.8 99.8	99.8	99.8	99.9	99.9	99.9	00.0	00.01	00 0	100.0
≥ 300 ≥ 200	99.3	99.5	99.5	99.6	99.8	99.8	99.8	99,8	99.8	99.9	99,9		00.01	00.01	00.01	00.0
≥ 100 ≥ 0	99.3	99,5	99.6	99.6		99 . 8	99.8		99,8	99,9	99.9 99.9 99.9	99,91	00.01	00.01	00.01	00.0

TOTAL NUMBER OF OBSERVATIONS \_\_

2494

USAF ETAC  $\frac{r_{OPM}}{JULO4}$  0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-72

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING							VIS	SIBILITY (ST	ATUTE MIL	ES)					·	
FEET.	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥1/2	≥1/4	≥1	≥ 3,4	≥ 5,4	≥ ⅓	≥ 5/16	≥ ′₄	≥0
NO CEILING ≥ 20000	66.5 80.1	66.6 80.2	66.6	66+6 80-4		66.7 80.5		66.7	66.7	66.7	66,7 80.7	66.7	66.7	66.7	66.7	66.8 80.7
≥ 18000	80.6 82.4	8,08 8.S6	60.8 82.6	81.0	81.0 82.8	81.0 82.9	61.1 83.0	81,1	81:1	81.2 83.0	81.2	81.2	81.2	81,2	81,2 83,1	51,2 83,1
≥ 14000 ≥ 12000	97.1 91.0	37.2 91.2	87.3 91.2	87.5 91.4	97.6	87,6	87,7	87.7	87.7	87.8	87.9	87.9	87.9	87.9	87.9	87,9 92.0
≥ 10000 ≥ 9000	92.9 93.7	93.1	93.3 94.1	93.5	93.6	93.6	93.7	93.7	93.8	93,9	94.0	94.0	94.0	94.0	94,0	94,1
≥ 8000 ≥ 7000	95.1 96.2	95.6 96.7	98.8 96.9	96.0 97.1	96.2	96.2 97.4	96.4	96,5	96.5	96.7	96.7	96.7	96.9	96,9	96.9 98.2	97.0
≥ 6000 ≥ 5000	96.5	97.5	97.3 97.8	97.5 98.0	97.8 99.2	97.8 98.2	98.0 98.5	98,1 98,6	98.1	98,4	98,4 98.9	98.4 98.9	98.6	98,6	98.6	98.8
≥ 4500 ≥ 4000	97.0 97.1	97.6	97.9 98.0	98.1 98.2	98.3 98.4	98.4 98.4	98.6 98.7	98.7 98.8	98.7	99.0	99.1	99.1	99.2	99.2	99.3	99.5
≥ 3500	97.1	97.7 97.8	98.0 98.0	98.2 98.2	98.4 98.4	98.4	98.7 98.7	98 8 98 8	98.8 98.8	99.1	99.2	99.2	99.3	99.3	99.4	99.6
≥ 2500 ≥ 2000	97.1 97.1	97.8	98.0	98.2 98.2	98.4	98,5	98.7 98.7	98 8 98 8	98.8 98.8	99.2	99.2	99.2	99.4	99.4	99.5	99.7
≥ 1800 ≥ 1500	97.1	97.8 97.8	98.0	98.2	98.4	98.5	98.7	98.8 98.8	96.8 98.8	99.2	99.2	99.2	99.4	99.4	99.5	99.7
≥ 1000	97.1	97.8 97.8	98.0 98.0	98.2	98.4	98.5	98.7	98 8 98 8	98.8 98.8	99.2	99.2	99.2	99.4	99.4	99.5	99.7
≥ 900 ≥ 800	97.1	97.8 97.8	98.0 98.0	98.2	98.4	98.5	98.7	98 . 8 98 . 8	98.8	99,2	99.2	99.2	99.4	99.4	99.5	99.7
≥ 706 ≥ 600	97.1 97.1	97.8	98.0	98.2	98.4	98.5	98.7	98.8 98.8	98.8	99,2	99,2	99.2	99.4	99.4	99.5	99.7
≥ 500 ≥ 400	97.1	97.8 97.8	98.0	98.2	98.4	98.5	98.7	98.8	98.8	99.2	99.2	99.2	99.4	99.4	99.5	99.7
≥ 300 ≥ 200	97.1	97.8		98.2	98.4	98.5	98.7	98.8 98.8	98.8	99,2	99.2	99.2	99.4	99.4		99.7
≥ 100 ≥ 0	97.1	97.8 97.8	98.0 98.0	98.2	98.4	98.5	98,7	98,6 98.8	98.8 98.8	99,2	99,2	99.2	99.4	99.4		99.7

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

. ..2489

USAF ETAC 10+10+0 0+14+5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHDENIX 42-46,51-72

2100-2300

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (STA	ATUTE MIL	ES)		<del></del>				
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥2	≥1½	ان≲	≥1	≥ 14	≥ %	≥ %	≥ 5.16	≥'₄	≥0
NO CEILING ≥ 20000	67.2 76.4	67.8 77.1	57.9 77.3	58.0 77.4	68.0 77.4	68.0 77.5	68.1 77.6	68,1 77.6	68.1 77.6	68.1 77.7	68.1 77.7	68.1	68.1 77.7	68 · 1 77 · 7	68.1 77.7	68.1 77.7
≥ 18000 ≥ 16000	76.9 78.2	77.6	77.8	78.0	78.0	78.0	78.1	78 1 79 5	78.1	78,2 79.6	78.2 79.6	78.2 79.6	78.2	78.2	78.2 79.6	78.2 79.6
≥ 14000 ≥ 12000	84.4 89.0	90.1	85.5 90.3	85.7 90.5	85.8 90.7	85.9 90.7	85.9 90.8	85.9 90.8	85.9 90.8	86,0 90,9	86,0 90,9	86,0 90.9	90.9	86.0 90.9	86.0 90.9	86,0 91.0
≥ 10000 ≥ 9000	91.7	92.9	93.1	93.4	93.5	93.6	93.7	94.7	93.7	93.8	93.8 94.8	93.8	93.8	93.8	93.8 94.8	94.9
≥ 8000 ≥ 7000	94.1	95,6	95.0	96.1 97.8	96.3	96.4 98.1	96.5	96,3	96.5 98.2	96,6	96.7 98.4	96.7 98.4	96.7	96:7	96.7 98.4	98.5
≥ 6000 ≥ 5000	96.1	97.7 98.0	98 1 98 4	96.4	98.7	98.8	98.9	98,9 99,2	98.9 99.2	99.0	99.1	99.1	99.1	99.4	99.1	99.2
≥ 4500 ≥ 4000	96.4	98.2 98.2	98.5 98.6	98.9	99.2	99.4	99.4	99.4	99.4	99.5	99.6	99.6	99.7	99.6	99.6 99.7	99.7
≥ 3500 ≥ 3000	96.4	98.2	98.6	91.9		99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.7	99,7	99.7	99.8
≥ 2500 ≥ 2000 ≥ 1800	96.4	98.2	98.6	98.9	99.3	99.4	99.4	99,4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.8
≥ 1800 ≥ 1500 ≥ 1200	96.4	98.2	98.6	98.9		99.4	99.4	99,4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.8 99.8
≥ 1000	96.4 96.4 96.4	98.2 98.2 98.2	98.6	98.9		99.4 99.4	99.4	99.4	99.4 99.4	99.6	99,6	99.6	99.7	99,7	99.7 99.7	99.8 99.8
≥ 900 ≥ 800 ≥ 700	96.4	98.2	98.6 98.6	98.9	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.7	99,7 99,7	99.7	99.8
≥ 600	96.4	98.2	98.6 98.6	98.9	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.7	99:7 99:7	99.7 99.7	99.8
≥ 400	96.4	98.2	98.6	98.9	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.8
≥ 200	96.4		98.6	98.9	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99,7	99.7	99.7	99.8
≥ 100	96.4	98.2		:			99.5	( ) ) T (a)			99.7	99.7		1 1 - 5 1	99.8	, ,

TOTAL NUMBER OF OBSERVATIONS 2496

USAF ETAC JUL64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1

# CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-71

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000=0200

CEILING (FEET)							VIS	SIBILITY (ST	ATUTE MIL	ES)						· · · · · · · · · · · · · · · · · · ·
(1661)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2½	≥ 2	≥1%	≥1%	≥1	≥ ¼	≥ 3,0	之为	≥ 5 16	≥ ¼	≥0
NO CEILING ≥ 20000	69,8	70.0 78.0		70.1	70.2		70.2	70.2							70.2	
≥ 18000 ≥ 16000	78.0	78.3	78.5	78.5 80.1	78.5	78.5	78,5	78,6 80.2	78,6	78.3 78.5	78,6		78.3	78.3 78.6	78.3 78.6	78.
≥ 14000 ≥ 12000	85.4	85.7 90.3	86.0	86.0	86.2	86.1	86.2 90.8	86,2	80.2	86,2	85.2	86.2	80,2 86.2	86,2	80.2	86.2
≥ 10000 ≥ 9000	92.4	92.8	93.1	93,1	93.2	93.2	93.2	90.8	93.3	93,3	93.3	90.9	90.9	90.9	90.9	90.9
≥ 8000 ≥ 7000	95.2 96.2	95.9	96.3	96.4	96.5	96.5	96.6	96.6	96.6	96,7	94.9	96.7	96.7	94.9	94.9	96,7
≥ 6000 ≥ 5000	97.0 97.1	98.2	98.6	98.7	98.8	97.6 98.8	98.9	97.7		97.8 99,1	99.1	97.8	97.8	99.1	97.8	97.8
≥ 4500 ≥ 4000	97.2 97.3	98.4	99.0	99.1	99.3	99.3	99.2	99,4	99.4	99.4	99.4	99.5	99.4	99.4	99.5	99.4
≥ 3500 ≥ 3000	97.3	98.6	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.8	99,8	99.8	99.8	99.8	99.8	99.8
≥ 2500 ≥ 2000	97.3	98.6	99.3	99.4	99.6	99.6	99.6	99.7	99.7	99,8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1800 ≥ 1500	97.3	98,6	99.3	99.4	99.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200 ≥ 1000	97.3	98.5	99.3	99.4	99.6	99.6	99.7	99.8	99.8	99,9		99.9	99.9	99.9	99,9	99.9
≥ 900 ≥ 800	97.3	98.6	99.3	99.4	99.6	99.6	99.7	99.8	99.8	99.9	99,9	99.9	99.9	99.9	99.9	99.9
≥ 700 ≥ 600	97.3	98.6	99.3	99.4	99.6	99.6	99,7	99.8			99,9	99.9	99.9	99.9	99.9	99.9
≥ 500 ≥ 400	97.3	98.5	99.3	99.4	99.7		99.7	99.8	99.81	99.9	99.9	99.9	99.9	99,9	99.9	99.9
> 222	97.3	98.6	99.3		99.7	99.7	99.8	99,8	99.81	00.01	00.01	00 - C1	00.01	00.01	.00 - 01	00.0
≥ 100	97.3	98,6	99.3	99.4	99.7	99,7	99.8	77,0	77001	00.01	00.01	00.01	00.01	00.01	00.01	00.0

TOTAL NUMBER OF OBSERVATIONS

2414

USAF ETAC 101 64 0+14+5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

23111, LUKE AFB ARIZONA/PHOENIX

42-46:51-71

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING -FEET		· · · · · · · · · · · · · · · · · · ·					VIS	IBILITY (ST	ATUTE MIL	ES)		· · · · · · · · · · · · · · · · · · ·		<del></del> -		
	≥ 10	≥6	≥ 5	≥4	≥3	≥21⁄2	≥ 2	≥1½	≥114	≥1	≥ 1,4	≥ 1/4	≥ ⅓	≥ 5/16	≥'4	≥0
NO CEILING ≥ 20000	72.3	72.3 78.6	72.4	72.4	72.5	72.5	72.5	72.5			72,5	72.5			72.5	
≥ 18000 ≥ 16000	78.9	78,9	79.1	79.1	79.1	79,1	79.1 81.0	79.1	79.1	78.8	79.2	79.2	78.8	78.8 79.2	78.8 79.2	78.8 79.2
≥ 14000 ≥ 12000	86.7 92.5	86.8 92.6	86.9	86.9	87.0 92.8		87.0	87.0	87.0	87,1	81.1 87.1	81:1 87:1	87.1	81.1 87.1	81.1 87.1	87.1
≥ 10000 ≥ 9000	95.0 96.1	95.1	95.3 96.6	95.3	95.4	95.4	95.4	95.4	92.8 95.4	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 8000 ≥ 7000	97.2 97.8	97.6	97.8 98.5	97,8 98.5	96.6	97,8	97.8		96.6	97,9	96.7	97.9	96.7	96.7	96.7	96.7
≥ 6000 ≥ 5000	98.3 98.5	98.9	99.1	99.1	98.5	99.2	98.5	98.5 99.2 99.6	98.3	98.6	99.2	98.6	98.6	98.6	98.6	98.6
≥ 4500 ≥ 4000	98.6 98.6	99.2 99.2	99.4	99.5	99.5	99.5	99.6	99.7	99.6	99,7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 3500 ≥ 3000	98.6	99.2	99.6 99.6	99.7 99.7	99.7	99.8	99.8	99.8 99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2500 ≥ 2000	98.6	99.2	99.6	99.7	99.7		99.8	99.8	99.8	99,9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1800 ≥ 1500	98.6	99.2	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99,9	99.9	99.9	99.9	99.9	99,9	99.9
≥ 1200	98.6	99.2	99.6	99.7	99.8	99.8	99,9	99.9	コン・コド	100 • 0H	00,01	.00 • 00	00.00	LOO OI	00.00	00.0
≥ 900 ≥ 800	98.6 98.6 98.6	99,2 99,2 99,2	99.6	99.7 99.7 99.7	99.8	99.8	99,9	99,9	99.91	00.01	00.01	00.00	00.00	00.01	00.01	00.0
± 700 ≥ 600	98.6	99.2	99.6	99.7	99.8	99.8	99,9	77 6 2	99.91	00.01	00.01	00.0	00.01	00.01	00.01	00.0
≥ 500 ≥ 400	90.0	99.2	99,6	99.7	99.8	99.8	99.9	77.7	99.91	00.01	00.01	00.01	00.00	00.01	00-01	00.0
≥ 300 ≥ 200	98.6	99,2	99.5	99,7	99.8	99.8	77,7	79,7	99.91	00.01	00.01	00 • 01 00 • 01	00.01	00.01	00.01	00.0
≥ 100 ≥ 0	98.6	99,2	99.6	99.7	99.8	99.8	99,9	99.9	99,91 99,91 99,91	00.01	00.01	00 - 01	00.01	00.01	00 OI	00.0

TOTAL NUMBER OF OBSERVATIONS...

2411

USAF ETAC 10-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

LUKE AFB ARIZONA/PHOENIX

42-46,51-71

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)							VIS	IBILITY (ST	ATUTE MIL	ESI						
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	≥10	≥6	≥5	≥4	≥3	≥2⅓	≥ 2	≥11/2	≥1%	≥ì	≥ 1,4	≥ ¾	≥ ⅓	≥5 16	≥ ′₄	≥0
NO CEILING ≥ 20000	67.8 74.4	68.1	08.1 74.8	68.2 74.9	68.2	68.2	68.2	68,2	68.2	68.2	68,2	68.2	4	., -	68,2	
≥ 18000 ≥ 18000	75.6 77.8	75.9 78.1	75.9 78.2	76.0	76.0	76.0 78.3	76.0 78.3	76.0		76.0 78.3	76,0	76.0			74.9	
≥ 14000 ≥ 12000	85.8 91.7	86.2 92.2	86.3 92.3	96.3	86.3	86.3	86,3	66.3	86.3	86.3	78,3 86,3 92,4		86.3		78.3 86.3	78.3 86.3
≥ 10000 ≥ 9000	94.9	95.4	95.4	95.5	95.5	95.5	95,5	95,5	95.5	95.5	95.5	95,5	95.5	92,4	92.4	92.4
≥ 8000 ≥ 7000	96.9	97.4	97.5	97.5	97.6 98.1	97.6 98.1	97.6	97,6 98.1	97.6	96.3	97.6		96.2	96.3	96.3	96.3 97.6
≥ 6000 ≥ 5000	98.0	98.6	98.7	98.8	98.8	98,8	98.8	98,6	98.8		98.1 98,8	98.1 98.8	98.8	98.1 98.8		
≥ 4500 ≥ 4000	98.6 98.8	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3500 ≥ 3000	98.8 98.8	99.4	99.5	99.6	99.6	99.6	99.6	99,6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 2500 ≥ 2000	98.9	99.5	99.6	99.8	99.8	99.8	99.6 99.8 99.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1800 ≥ 1500	98.9	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99,8	99.8	99.8
≥ 1200 ≥ 1000	98.9	99.6	99.8	99.9	99.9	99,9	99.9	99.9	99.9	99.9	99,9	99.9	99.9	99.9	99.9	99.9
≥ 900 ≥ 800	98.9	99,6	99.8	99.9	99.9	99.91	00.01	.00 • 01	100 ± 00	:00 - 01	.00 - 01	00 - 01		Loo and	00.01	00.0
≥ 700 ≥ 600	98,9	99.6	99.8 99.8	99.9	99.9	77 9 7 14	00.01	00 . 01	.00 • 01	.00 . 01	.00 • 0l1	ഹര പരി1	.00 - 01	Lan Init	100,01	
> 400	98.9	99.6	99.8	99,9	99.9	77 . 7 .	00.01	.00 • UI	00.01	.00 - 01	.00 • 011	.00 - 01	00.01	00.01	00.01	00.0
≥ 300	98.9	99.6	99,B		99.9	77.77	00.01	00.01	00.01	.00.01	.00 - 01	00-03	00.01	00.01	00:01	00.0
≥ 100	98.9	99,6	99,8	99,9	99.9	99.91	00.01	00 01	00.01	00.01	00.01	00.01	00.01	00.01	00.01	00

TOTAL NUMBER OF OBSERVATIONS \_\_.

2410

USAF ETAC 10164 0+14+5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0

0

0

0

0

### CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 42-46.51-71

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING							VIS	IBILITY (ST.	ATUTE MIL	ES)					<del></del>	·
	≥10	≥6	≥ 5	≥4	≥3	≥2%	≥2	≥1%	≥14	≥1	≥ 14	≥ %	≥ %	≥ 5 16	≥ 14	≥0
NO CEILING ≥ 20000	74.7 80.3	75.2 80.8	75.2	75.2 80.8	75.3	75.3	75.3	75,3	75.3 80.9	75,3 80.9	75,3 80.9	75.3	75.3		75.3	75.3
≥ 18000 ≥ 16000	81.3 84.1	81.7	81.7 84.5	81.8	81.9	81.9	81.9	81.9	81.9	81,9	81.9	81,9	80.9	80.9	81.9	80.9 81.9
≥ 14000 ≥ 12000	89.7	90.1	90.1 94.5	90.2	90.3	90.3	90.3	90,3	90.3	90,3	90.3 94.6	90.3	90.3	90.3	90.3	90.3
≥ 10000 ≥ 9000	95.8 96.2	96.3		96.3	96.4	96.4	96.4	96.4 96.8	96.4 96.8	96,4 96,8	96,4	96.4	94.6	96,4	96.4	94,6
≥ 8000 ≥ 7000	8 96.9	97.3	97.3	97.3	97.4	97.4 97.6	97.4	97.4	97,4	97.4	97,4	96.8 97.4 97.6	96.8	96.8	96.8 97.4	96.8
≥ 6000 ≥ 5000	97.8	98.3	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	97.6 98.5 99.0	98.5	97.6 98.5	97.6	98.5	98.5
≥ 4500 ≥ 4000	98,3	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99,0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 3500 ≥ 3000	98.5	99.2	99.2	99.2	99.3	99.3	99.3	99,3	99.3	99,3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2500 ≥ 2000	98,6	99.4	99.4	99.5	99.6	99.6	99.6	99,6	99.6	99,6	99.6	99.6	99.6	99.5	99.5	99.5
≥ 1800 ≥ 1500	98.6	99.4	99.4	99.5	99.6	99.6		99.6 99.6	99.6	99,6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200 ≥ 1000	98.8	99.5	99.5	99.5	99.8	99.8	99.8	99.8 99.8	99.8	99.6 99.8 99.8	99.8	99.6	99.8	99.6	99.6	99.6
≥ 900 ≥ 800	98.8	99.6	99.6	99.7		99,8	99.8	99 B	99.8 99.8	99.8	99,8	99.8	99.8	99,8	99.8	99.8
≥ 700 ≥ 600	98.8 98.8	99.6	99.6	99,7	99.8	99,8	99.8	99,8	99.8	99,8	99.8	99.8	99.8	99,8		99,8
≥ 500 ≥ 400	98.8	99.6	99.7	99.8	99.9	99,9	99,9	99,9	99.9	99,9	99.9	_ 1	99.9		99.9	99.9
≥ 300 ≥ 200	98.8	99,6	99.7	99.81	00.01	00.01	00.01	00.01	00.01	00.01	00-01	00.01	00.01	99.9	00.03	
≥ 100 ≥ 0		99,6	99.7	77 0 0 4	CO + OIT	OD a CIT	OO • OIL	00 a 011	00 • OII	00.01	00.01	00.01	AA AI	00 01	44 41	00.0

TOTAL NUMBER OF OBSERVATIONS

2415

USAF ETAC 100 0-14-5 (OL A) PREVIOUS EDITIONS OF HIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

2311; LUKE AFB ARIZONA/PHOENIX

42-46,51-71

<u> Aug</u>

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEIUNG (FEET)							VIS	IBILITY (ST	ATUTE MIL	.ES:						
	≥10	≥6	≥ 5	≥4	≥3	≥2⅓	≥2	≥1%	≥1¼	≥1	≥ ,•	≥ %	≥ '5	≥ 5 16	≥ 14	≥0
NO CEILING	80.7 88.0	88.0		80.8 89.0		80.8 88.1	86.1	80,8 88.1	80.8	80.8 88.1	80.8	80.8 88.1	80.8	80,8 88,1	80.8	80.8
≥ 18000 ≥ 16000	68.8 90.4	88.9 90.4	88.9 90.4	88.9 90.4	89.0	89.0 90.5	89.0 90.5	89,0 90.5	89.0	89.0 90.5	89.0	89.0			89.0	89,0
≥ 14000 ≥ 12000	93.8 95.9	93.9 96.0	93.9	93.9 96.0	94.0	94.0	94.0	94.0	94.0	94,0	94.0	94.0	94.0	- X X X Z	94.0	94.0
≥ 10000	96.9	97.0 97.2	97.0 97.2	97.0 97.2	97.1 97.3	97.1	97.1 97.3	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	96.1 97.1 97.3
≥ 8000 ≥ 7000	97.4 97.9	97.5 98.0	97.5 98.0	97.5 98.0	97.6 98.1	97.6 98.1	97.6 95.1	97,6	97.6 98.1	97,6	97.6 98.1	97.6	97.6	97,6 98,1	97,6 98,1	97.6 98.1
≥ 6000 ≥ 5000	98.4	98.5 99.1	98.5	98.5 99.1	98.6 99.2	98.6	98.6	98.6	98.6	98.6	98.6	98+5	98.6	98,6	98,6 99,2	98.6
≥ 4500 ≥ 4000	99.U	99.1	99.1 99.5	99,1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99,2	99.2	99.2	99,2	99.2 99.2 99.5
≥ 3500 ≥ 3000	99.5	99.6	99.6 99.7	99.6	99.7	99.7	99.7	99.7 99.8	99.7		99,7	99.7	99.7	99.7	99.7	99.7
≥ 2500 ≥ 2000	99.5	99.7	99.7 99.7	99.7	99.8	99.8	99.8	99.8 99.8	99.8	99.8	99.8	99.8	99.8	99.8 99.8	99.8 99.8	99.8
≥ 1800 ≥ \$500	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99 B	99.8	99,8	99.8	99.8	99.8	99.8	99.8	99.8 99.8
≥ 1200 ≥ 1000	99.5	99.7	99.7	99.7	99.8	99.8	99.8 99.8	99.8 99.8	99.8	99,8	99.8		99.8	99.8	99.8 99.8	99.8
≥ 900 ≥ 800	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8 99.8	99.8	99.8	99,8		99.8	99.8	99.8	99.8 99.8
≥ 700 ≥ 600	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8 99.8	99.8		99,8	99.8	99.8	99.8	99.8	99.8
≥ 500 ≥ 400	99.6	99.7	99.7	99.7	99.8	99.8	99,9	99.9	99.9	99,9	99,9	99.9	99.9	99.9	99,91	00.0
≥ 300 ≥ 200	99.5	99.7	99.7	99.7	99.8 99.8	99.8	99.9	99.9	99.9	99,91	00.01	00.01		00.01	00.01	
≥ 100 ≥ 0		99.7	99.7		99.8	99.8	99,9	99.9 99.9	99.9	99.91 99.91	00.01	00.01	00.01	LXX Y X I A	00.01	

TOTAL NUMBER OF OBSERVATIONS

2416

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS ENTINES OF THIS FORM ARE OBSOLETE

#### CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-71

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING							vis	BILITY (ST.	ATUTE MIL	ESı						
FEET	≥10	۵≲	≥5	≥ 4	≥3	≥2⅓	≥2	≥1'7	≥1¼	≥1	2. 14	≥ ′•	د، ≤	≥ 5,16	≥′₄	≥0
NO CEILING ≥ 20000	78.7 89.2	78.7 89.3	75.8	78.8 89.4		78.8 89.4				89.6	87.0	78.8 89.5			89.7	78.8
≥ 18000 ≥ 16000	90.0 91.4			91.6	91.6	90.2			90.3	91.8	90.4	90,4 91.8	91.8	91.6	91.8	91.9
≥ 14000 ≥ 12000	93.8 95.5	93.9 95.7	94.0 95.8	95.8	95.8	94.0 95.8	95.9	94.1	94.1		94.2	94.2		96.0	96.1	94.4
≥ 10000	96,4 96,5	96.5			97.0	96.8 97.0	97.0		97.1	97.2	97.2	97.0 97.2	97.2	97.2	97.3	97.1 97.3
≥ 8000 ≥ 7000	97.1 97.5			98.1	98.1	97.6 98.1	98.1	97,7 98,2	97.7	97.9 98.3	95.3	97.9 98.3	99.3	98.3	98.4	98.5
≥ 6000 ≥ 5000	99.1	98.1 98.5	98.4 98.8	90.0	98.8	98.5	98.9		98.9	99.1	99.1	98.7 99.1	98.8	99.2	98.9	99.0
≥ 4500 ≥ 4000 ≥ 3500	98.3	98.5	98.8	99.0	29.0	99.0		98.9	99.1	99.1	99.1	99.3	99.2	99.4	99.5	99,4
≥ 3500 ≥ 3000 ≥ 2500	98.4	98.8	99.0	99.1	99.2	99.2	99.1	99.3	99.2	99.5	99,5		99.4	99,4 99,5	99.6	99.7
≥ 2000	98.5		99.1 99.2	99.2	99.3	99.2	99.2 99.3	99.3 99.3	99.3	99.5 99.5	99.5	99.5	99.5	99.6	99.7	99.8
≥ 1500	98.6 98.6	99.0	99.2	99.3	99.3	99.3 99.3	99,3	99.4	99.4 99.4	99.6	95.6	99.6 99.6	99.6	99.6	99.8	99.8
2 1000 2 1000 2 900	98.6	99.0	99.2	99.3 99.3	99.3	99.3	99,4	99.4 99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.¢	99.9
2 800	98.6		99.2	99.3		99.3	99.4	99.4	99.4	99.6 99.6	99,6	99.6	99.7	99.7	99.8	99.9
≥ 500	98.6	99.0	99.2	99.3 99.3	99.3	99.3	99,5		99,5		99.8	99.8	99.8	99.8	99.9	100.0
≥ 400 ≥ 300	98.5	99.0	99.2	99.3	99.3	99.3	99.5	99.5	99.5	99,8	99.3	99,8	99.8	99.8	99.9	100.0
≥ 200	98.6	99.0	99.2	99.3	99.3	99.3	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.9	100.0
2 0	98.Ĉ	7		99.3					99.5			99,8	99.8	99.8		100.0

TOTAL NUMBER OF OBSERVATIONS

3416

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX

42-46,51-71

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING							VIS	BILITY ,ST.	ATUTE MILI	ES,		<del></del>				
· r EET	≥10	≥6	≥5	≥ 4	≥3	≥2%	≥2	21%	≥1'₄	≥1	≥ 14	≥ %	≥ 7	≥ 5 16	≥:4	≥0
140 CEILING ≥ 20000	64.9 80.7	65.1	55.1 81.2	05.1 81.3	65.2 81.3	65.2 81.3	65.2 81.4	65,2 81.4	65.2 81.4	65,2 81.4	65.2 81.4	65.2 81.4	65.2 81.4	65,2 81,4	65.2 81.4	65.2
≥ 18000 ≥ 16000	81.5 83.0	51.9 83.4	82.0 83.5	82.1	82.2 83.7	82.2	82.2 83.7	82,2 83,7	82.2 83.8	82,2 83,8	82,2 83.8	82.2 83.8	82.2 83.8	82.2 83.8	82.2 83.8	82.2 83.8
≥ 14900 ≥ 12000	86.8 90.1	87.2 90.5	87.3 90.7	90.8	87.5 91.0	91.0	87.6 91.1	87.6 91.1	87.7 91.1	87.7 91.1	87.7 91.2	87.7 51.2	87.7 91.2	87.7 91.2	87.7 91.2	87.7 91.3
≥ 10000 ≥ 9000	91.8	92.2	92.4 93.0	92.5	92.7		92.8 93.3	92,8	92.8 93.4	92.9	93.5	93.0	93.5	93, C	93.0	93.5
≥ 8000 ≥ 7000 ≥ 6000	94.2 95.2 96.4	94.7	95.0	95.0	95.2	95.2	95.3 96.6	95,3	95.4	95,4	95.5		96.9	95.6	95.6	95.6
≥ 5000	96.7 96.8	97.3 97.6 97.7	97•7 98•1	97.8 98.1 98.2	98 . 1 98 . 5	98.1 98.5	98.3 98.8	98.8		98.6	99.1	98.7	98.8	98.8	98.9	99.0
≥ 4000	96.8 96.8	97.8 97.8	98.1 98.3 98.3	98.3 98.3	98.7 98.7	98,6 98,7 98,7	98.8 99.0 99.0	99.0		99.0 99.2 99.2	99.3	99.3	99.4	99.4 99.4	99.5	99.5
≥ 3000 ≥ 2500	96.8 96.8	97.8 97.8		98.3	98.7	98.7	99.0	99.0	99.0	99,2 99,2	99.3	99.3	99.4	99.4	99.5	99.6
≥ 2000	96 8 96 8	97.8	98.3 98.3	98.3	98.7	98.7 98.7	99.0	99.0	99.0	99.2	99.3		99.4	99.4	99.5	99.6
≥ 1500	96.8	97.8	- 7	98.3	98.7	98.7	99.0	99.0	99.0	99.2	99.3	99.3	99.4	99.4	99.5	99.6
≥ 1000	96.8	97.8 97.8		98.3 98.3	98.7	98.7	99.0	99,0	99.0	99.2	99.3		99.4	99.4	99.5	99.6
≥ 700	96.8	97.8 97.8	98.3	98.3	98.7	98.7	99.0	99.0	99.0	99.2	99.3	99.3	99.4	99.4	99.5	99.6
≥ 600 ≥ 500 ≥ 400	96.8		98.3	98.3	98.7	98.7	99.0		99.1	99.3	99.4	99.5	99.5	99.5	99.5	99.8
≥ 400 ≥ 300 ≥ 200	96.8	97.8 97.8	96.3	98.3		98.7	99.0		99.1	99.3		99.5		99.6	99.7	99.8
≥ 100	96.8	97.8	98.3				99.0	99.0	99.1	99,3	99.5	99,5	99,6	99.6		
≥ 00	. ~ ~ ~ \	97.8				98:7	99.0	99.0	99.1 99.1	99.4	99.5		99.6	99.6		100

TOTAL NUMBER OF OBSERVATIONS

2416

USAF ETAC 1/CPM 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE DISOLETE

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### CEILING VERSUS VISIBILITY

22111 LUKE AFB ARIZONA/PHOENIX 42-46,51-71

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES:	·					
	≥10	≥6	≥ 5	≥ 4	≥3	≥2⅓	≥ ?	≥1%	≥1'4	≥1	≥ 34	≥ >,	≥ 4	≥ 5 16	≥ ¹,	≥0
NO CEILING ≥ 20000	68.7 77.7	69.0 78.2	69.0 78.5	59.0 78.5	9.0	69.0	69.0 78.5	69,0		69.0 78.6		69.0	69.0			
≥ 18000	78.0 78.7	78,5 79.2	78.7 79.5	78.7 79.5	78.8 79.5	78.8	78.8	78,8 79.6	78.8	78.8 79.6	78,8			78.8	78.8	78.8
≥ 14000 ≥ 12000	84.0 88.0	84,6 68.7	84.9	84.9 89.1	85.0	85.0	85.1 85.2	85.1	85.1	85.2	85.2		85.2 89.5		79.6 85.2 89.5	85.2
≥ 10000 ≥ 9000	90.4		91.4 92.8	91.5 92.8	91.6	91.6	91.7	91.7	91.7	91,9	91,9	9:.9	92.0	92,0		92,0
≥ 8000 ≥ 7000	93.5 94.7		94.8 96.3	95.0	95.1	95.2		95.3	95.3	95,6	95.6	95.6		93.3 95.7 97.3	95.7	93.3
≥ 6000 ≥ 5000	95,9	97.4	97.8 98.1	98.1	98.3	98.3	98.5	98.5		98,9	98,9			98,9	99.0	
≥ 4500 ≥ 4000	96.1 96.2	97.8 97.9	98.2 98.3	98.5	98.7	98,8	96.9	99.0	99.0	99,3	99.3	99.3	99.4	99.4 99.6	99.4	99.5
≥ 3500 ≥ 3000	96.2 96.2	97.9 97.9	98.3	98.6		98,9	99.1	99,2	99.2	99,5	99,5		99.6	99.6 99.6		99.7
≥ 2500 ≥ 2000	96.2 96.2	97.9 97.9	98.3 98.3	98.6	98.8 98.8		99.3	99.3	99.3	99.7	99.7	99.7	99.8	99.8	99,8	99.8 99.8
≥ 1800 ≥ 1500	96.2	97.9 97.9	98.3	98.6	98.8	98.9	99,3	99.3	99.3		99.7	99.7	99.8	99.8 99.8 99.8	99.8 99.8	99.8
≥ 1200 ≥ 1000	96.2	97.9	98.3	98.6	98.8	98.9	99.3	99.3	99.3	99.7	99.7	99.7	99.8	99.8 99.8	99.8	99.8 99.8
≥ 900 ≥ 800	96.2	97.9	98.3 98.3	98.6	98.8	98.9	99.3	99.3	99.3	99.7	99.7	99.7	99.8	99,8	99.8 99.8	99.8
2 700 2 600	96.2 96.2	97.9	98.3 98.3	96,6	98.8	98.9	99.3	99.3	99.3	99.7	99.7		99.8	99,8	99,8	99.8
≥ 500 ≥ 400	96.2 96.2	97.9	98.3	98,5	98.8	98.9	99.3	99.3	99.3	99.8	99.8	99.8	99.9	99.8	99.8	99.8
≥ 300 ≥ 200	96.2 96.2	97.9	98,3	98.6	98.8	98,9	99.3	99.3	99.3	99.8	99,8	99.8	99.9	99.9	99.9	99.9 99.9 99.9
≥ 100 ≥ 0	96.2			98.6 98.6	98.8		99,3		99.3	99,8	99.8	99.8	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

2416

USAF ETAC 100 0-14-5 (OL A) MEMOUS EDITIONS OF THIS FORM ARE OMDOLTE

#### CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 42-46.51-71

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000=0200

CEIUNG							VIS	IBILITY (ST	ATU'E MIL	ES.						
FEET	≥10	≥6	≥5	≥ 4	≥3	≥2′2	≥ 2	≥1%	≥14	≥1	≥ 14	≥'.	≥ ′5	≥5 16	≥'.	≥0
NO CEILING	88.8		88.8		85.9	88.9	88.9 91.1	88.9	38.9	88.9 91.1	88.9 91.1	88.9	88.9	88.9 91.1	88,9	88.9 91.1
≥ 18000 ≥ 16000	91.1	91.2	91.2		91.3 91.7	91.3									91.3	استتنا
≥ 14000 ≥ 12000	93.4 95.7	95.8	95.8	95.9	95.9	95.9	95,9	95.9	95.9	95.9	93.9	95.9	95.9	95.9	95,9	95.9
≥ 10000 ≥ 9000	95.9 97.3	97.4	97.4	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 8000 ≥ 7000	98.0 98.5	98.7	98.7	38.7	98.8	98.8	98.8	98.8	98.8	98 8	98.8	98.8		98.8		99.8
≥ 6000 ≥ 5000	99.0 99.2 99.2	99.5		99.5	99.6	99.6	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7		99.7
≥ 4000 ≥ 3500	99.4	99.6	99.6	99.7		99:7	99.7	99.7	99.7	33.7	99.7	39.7	99.8	99.8	99.8	99.8
≥ 3000	99.4	99.7	99.7	39.7		99.7	99.8	99.8 99.8	99.6	99.1		99.9	99.8	99.8	99.8	99.8
≥ 2000	99.4		99.7			99,9	1co.o		100.0	100.0	100.0	100.0	100.0	100.0	100.0	
≥ 1500	99,4	99.7	99.7	99.8	99.9	99,9	100,0	100,0	100,0	100.0	100.0	100.0	100.0	100,0	100.0	100.0
2 900 2 800	99.4	99.7		99,8	99.8	99,3	200.0	100,0	100.0	100,0	100.0	100.0	1,00.0	100,0	100.0	100.0
2 700 ≥ 600	99.4 99.4	99.7		99.8	99.9	99,9	100.0	100.0	100.0	100.0	100,0	100.0	100.0	100.0	100.0 100.0	100,0
≥ 500 ≥ 400	99.4	99.7	99.7	99.8	99.9	99.9	100.0	100,0	100.0	100.0	100,0	100.0	100.0	100.0	100,0	100.0 100.0
≥ 300 ≥ 200	99.4	99.7	99.7	99.8	59.9	99,9	100.0	100,0	100.0	100,0	100.0	100.0	100 e 0	100.0	100.0	100.0
≥ 100 ≥ 0	99.4		99.7	99.8	99.9	99,9	100.0	100,0	100.0	100,0	100.0	100.0	200.0	100.0	100.0	100.0

TOTAL NUMBER OF COSERVATIONS

2338

USAF ETAC FOLGE 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM APE OBSOLETE

### CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-71

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET							VIS	BILITY ST	ATUTE MIL	.ES,						
	≥10	≥6	≥5	≥4	≥3	≥2'ז	≥ 2	≥1 ?	≥1.	≥1	≥ '₄	≥ ¾	≥ %	≥5 16	≥ .	≥0
NO CEILING ≥ 20000	88.9 90.5	89.0 90.7		89.0	89.0 90.7	89.0			89.0 90.7			89.0				
≥ 18000 ≥ 16000	90.9	91.0	91.0	91.0	91.0	91.0		91.0	91.0 91.6	91,0	91,0	91.0		91.0	91.0	91.0
≥ 14000 ≥ 12000	93.5 95.7	93.6	93.6 95.8	33.6		93.6	93.0	93.6		93,6	93.6	91.6	93.6			91.6 93.6
≥ 10000 ≥ 9000	96.9	97.0	97.1	97.1	97.1		97.1	97,1	97.1 97.7	97.1	97.1	97.1	97.1	97.1	97.1	95.8 97.1
≥ 8000 ≥ 7000	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2 98.6	98,2	98,2	98.2	98.2	98,2	98.2	98.2
≥ 6000 ≥ 5000	98.8	99.0	99.1 99.5	99.1	99.1	99.1	99.1	99,1 99,5	99.1	99,1	99.1	99.1	98.6	98.6	99.1	98.6 99.1
≥ 4500 ≥ 4600	99.1	99.4	99.5		99.3	99.5	99.5	99.7	99.5 99.5 99.7	99.5	99.5	99.5	99.5		99.5	
≥ 3500 ≥ 3000	99.4	99.7	99.8	99.8		99,8	99.3	99.8	95.8	99.8	99.8	99.3	99.8		99.7	99.7
≥ 2500 ≥ 2000	99.4	99.7	99.8	23.8	90.0	99.8	99.2	00 8	99 3	99.8	00 0	00 0	99.8	99.8		99.8
≥ 1800 ≥ 1500	99.4	99.7					100 4 111	L11111 - UII	00 . ni	100.00	1 AC. AD	יות אחו	1 A A A		100.01 100.01	000
≥ 1200 ≥ 1000	99.4	99.7	7/8/4/3				1 U U A U I	L(3() 🛦 U()	.no ⊾or	וח. מחו	וח. חוז	וא אמו		1000	100 01	00 0
≥ 900 ≥ 800	49.4	99.7		· ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '		- u - a - U i i	1 U U A 11''	00.0	CICL A CH	11111 - 111	: 70 . MI	יות או	1 A A A 11	100 013	00.01	00.0
≥ 700 ≥ 600	99.4	99.7	77 0 2 1	. ບຸບູ 🍙 ບຸເງ	100 • 011	. O O a O I	LC C _ O))	00.01	.00 - 01	LOO ລວາ	Loo - oii	nn . cli	וא אמו	00 01	100.01	0,00
≥ 500 ≥ 400	99.4	99.7	77.5	.00 . 01	.00.01	.CO . OI	.00 - 01	00,01	20.01	00-01	Lan . nis	00 01	00 05	00 03	00.01	00.0
≥ 300 ≥ 260	99.4	99.7	774817	A 0 . A 11		. U U a UI1		.00 a UII	OL A OII	00.01	00.01	AA . All	AA AII	00 03	00.01	00.0
≥ 100 ≥ 0	99.4	99.7	77801	CUAUL		OC a CIL	.00 a C:1	.OD • UII	20 - 01	ເດດຸດນ	00.01	AA . AI1	20 01	AA A4	00.01 00.01 00.01	00 0

TOTAL NUMBER OF OBSERVATIONS

.2334

USAF ETAC 1084 0-14-5 (CL A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLUTE

#### CEILING VERSUS VISIBILITY

43111 LUKE AFB ARIZONA/PHOENIX 42-46,51-71

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

00800-0800

CEILING							VIS	IBILITY (ST	IIM STUTA	ES)						
FEET	≥10	≥6	≥5	≥ 4	≥3	≥21⁄2	≥ ?	≥ויב	≥11 <sub>4</sub>	≥1	<u>≥</u> 1 <sub>4</sub>	≥%	≥ ⅓	≥516	≥ .	≥0
NO CEILING ≥ 20000	85.2 86.9	85.3 87.0	85.3 87.0	85.3 87.0	85.3		85.4 87.1	85.4 87.1	85.4	85,4 87.1	85.4 87.1	85.4	85.4	85.4	85.4	85.4 87.1
≥ 18000 ≥ 16000	87.2 88.1	87.3 88.1	87.3 86.2	87.3	87.3 88.2	87.2 88.2	87,4 88,3	87.4 88.3	87.4 88.3	87,4 88,3	87,4 88.3	87.4	87.4 88.3	87,4	87.4	87.4 88.3
≥ 14000 ≥ 12000	90.9 93.7	91.0	91.0 93.8	91.0	91.0 93.8	91.0 93.8	91.1 94.0	91,1 94.0	91.1	91;1 94.0	91,1	91.1	91.1	91.1 94.0	91.1	91.1
≥ 10000 ≥ 9000	95.3 95.9	95.5 96.1	95.6 96.1	95.6	95.7	96.2	95.8 96.4		96.4		96.4	95.8 96.4	95.8 96.4	95.8 96.4	93.8	95,8
≥ 8000 ≥ 7000	96.7	96.9 97.5		97.5	97.0 97.6	97.5	97.7	97.7	97.1 97.7	97.1 97.7	97.1 97.7	97.1 97.7	97.1 97.7	97.1 97.7	97.1 97.7	97.7
≥ 6000 ≥ 5000	98.2 98.8	98.4 99.0		99.0	98.5	99.1	98,6	99.2	98.6	99.2	99.2	98.6	98.6	98.6 99.2	98.5 99.2	99,2
≥ 1500 ≥ 4000	98.7	99.4		نستنا	99.3	99.5	99.4		99.6	99.4	99.6	99.4 99.6	99.4		99.4	99.4
≥ 3500 ≥ 3000	99.1 99.1	99.4	99.6	99.6	99.5	99.7	99.8	99.8		99.8	99.8	99.8			99.6	99,6
≥ 2500 ≥ 2000	99.1 99.1	99.4	99,6	99.6	99.7	99:7	99.8		99.9	99.9	99,9	99.9	99.8		99,0	
≥ 1800 ≥ 1500	99.1 99.1	99.4		99.6	99.7		99.9	99.9	94.9	99,9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200 ≥ 1000	99.1	99.4	99.6	99.6	99.7	99.7	100.0	200.0	100.0	99,9	100.0	99.9	LCJ.O	100.0	100.0	100 C
≥ 900 ≥ 800	99.1	99,4	99.5	99.6	99.7	99.7	100.0	100.0	100.0	100,0	100.0	105.0	100.0	100.C	100.0	100.0
≥ 700 ≥ 600	99.1	99,4	99.6	99.6	99.7	99:7	100.0	100.0	100.0	100.0	105.0	100.0	100.J	100.0	100.0	100.0
≥ 500 ≥ 400	99.1	99.4	99.6	99.6	99.7	99.7	200.0	100.0	100.0	105.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	99.1		99.6	99.6	99.7	99/7	100,0	100.0	وودرو	100.0	100.0	100.0	100.0	100.0	200.0	100.0
≥ 100 ≥ 0	99,1		} · · ▼ ≃				100.0									

TOTAL NUMBER OF OF SERVATIONS

2337

USAF ETAC 1064 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0

0

0

0

#### CEILING VERSUS VISIBILITY

23111 LIKE AFB ARIZONA/PHOENIX 42-46,51-71

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING							VIS	BILITY (ST	ATUTE MIL	E\$)						
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2'ס	≥ 2	≥1'2	≥1'4	≥1	≥ ¼	≥'•	≥ .	≥5 16	≥'-	≥0
NO CEILING ≥ 20000	85.6 88.0	35.7 88.0	65.7 88.0	85.7 89.0		85.7 88.0	85.7 88.0	85.7 88.0	85.7 88.0			85.7 88.0				88.0
≥ 18000 ≥ 16000	88.6	88.7	88.7	88.7 89.0	88.7	88.7	88.7	89.6	88.7	88.7 89.6	88.7	88.7	88.7	89.7	88.7	^8.7 89.6
≥ 14000 ≥ 12000	91.3	91.4	91.4	94.6	91.5 94.6	91,5	94.6	94.0	91.5	91.5		91.5	91.5	91.5	91.5	94.6
≥ 1000v ≥ 9000	95.7	95,9	95,9	95.9	96.0			96.6	96.0 96.6	96.6	96.6	96.6	96.6	96.6	76.4	96.0
≥ 8000 ≥ 7000 ≥ 6000	96.9 97.6 98.4	97.1 97.8	97.1	97.2 97.8	97.3	97.9	97.9 98.8	97.9	97.9	97.9	97.3 97.9 98.8	97.3 97.9 98.8	97.9	97.9	97.9	
≥ 5000	98.6 98.8	98.6 98.8	98.9	98.7 98.9 99.1	98.8 -99.0 99.1	98,8 99.0 99.1	98.8 99.0 99.1	7 ** 7 3	98.8 99.0 99.1	98,8 99.0 99.1	99.U	99.0 99.1	98.8 99.0 99.1	78.6 99.0 99.1	99,0	99.0
≥ 4000	99.2	99.4	99.4 99.4	99.5	99.1 99.6 99.6	99.6	99.6	99.6 99.6	99.6	99.6	99.1 99.6 99.6	99.6	99.6	99.1 99.6 99.6	99.6	99.6
≥ 3000	99.3	99.5	99.5	99.6	99.7	99.7	99.7 99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7		99.7 99.7
≥ 2000	99.4	99.7	99.7	57.7 99.7	99.8	99.8	99.8 99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1500	99.4		99.7	99.8		99.9	99.9	99.9	99.9	99.9	99,9	99.9	99.9	99.9	99.9	99.9
≥ 1000 ≥ 900 ≥ 800	99.5	99,8	99.8	99.9		100,0	100,0	100,0	100.0	100,0	100,0	100.0	100.0	100,0	100.0	100.0
≥ 700 ≥ 600	99.5	99,8	99.9	99.9	100.0	100.0	100.0	100,0	100.0	100.0	100,0	100.0	100.0	100.0	100,0	100.0 100.0
≥ 500 ≥ 400	99.5	99,8	99,9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0 100.0
≥ 300 ≥ 200	99.5	99,8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.C	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	99.5	99.8	99.9	99.9	100.0	100.0	100,0	100.0	100.0	100.0	100,0	100.0	100.0	100,0	100.0	100,C 100.0

TOTAL NUMBER OF OBSERVATIONS

2336

USAF ETAC 108 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

23111: LUKE AFB ARIZONA/PHOENIX 42-46.51-71

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING							VIS	BILITY (ST.	ATUTE MIL	ES:						
FEET	≥10	≥6	≥.5	≥ 4	≥3	≥2⅓	≥ 2	≥1½	≥1 ¼	≥1	≥ 14	≥ %	≥ ⅓	≥ 5, 16	≥'₄	≥0
NO CFILING ≥ 20000	85.9 89.8	86.0 89.8		86.0 89.8	86.0 89.8	86.0 89.8	89.8		89.8	86.0 89.8	89.8	89.8	86.0 89.8	86.0 89.8	86.0	89.8
≥ 18000 ≥ 16000	89.9 90.9	90.1	90.1	90.1 91.0	90.1	90.1	90.1	90.1 91.0	90.1	90,1	90.1	90.1	90.1	90.1 91.0	90.1 91.0	90,1
≥ 14000 ≥ 12000	92.2	92.3	92.3	92.3	92.3	92.3	92,3	92.3	92.3		92.3	92,3 93,9	92.3	92.3	92,3	92.3
≥ 10000	95.5	95.7 96.1	95.7	95.7	95.7 96.1	95.7 96.1	95.7 96.1	95,7	95.7 96.1	95.7	95.7	95.7 96.1	95.7 96.1	95,7 96,1	95.7	95.7
≥ 8000 ≥ 7000	96.7	96.9	96.9	96.9	96.9	96.9	97.3	97.3	97.3	97.3	96.9	96.9 97.3	96.9	96,9 97,3	97.3	96.9
≥ 5000 ≥ 5000	98.5	98.7 98.8		98.7	98.7	98.7 98.8	98.8	98.7	98.7 98.8	98.7	98.7	98.7 98.8	98.7	98.7 98.8	98.7 98.8	98.7 98.8
≥ 4500 ≥ 4000	98.7	98,7	99.3	99.3		98.9 99.3 99.5	99.3	98,9	98.9	99.3	98,9 99.3	98.9 99.3	98.9	98,9	99.3	98,9 99,3 99,5
≥ 3500 ≥ 3000 > 2500	99.3 99.4 99.4	99.5 99.7 99.7	99.7	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 2500 ≥ 2000 ≥ 1800	99.5	99.7	99.8	99.7 99.8	99.9	99.9	99,9	99.9	99.9	99.9	95.9	99.9	99.9	99.9 99.9	99.9	99.9
≥ 1500	99.5	99.7	99.8	99.8	99.9	99.9	99,9	99.9	39.9	99.9	99.9	99.9	99.9	99.9	99,9	99.9
≥ 1000	99.5	99.7 99.8	99.8 99.9	99.8	99.9	99.9	99,9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	99.6	99 B	7 .	99,9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.6	99,8	99.9	99,9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	toc.o	100.0	100.0
≥ 200	99.6		99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0
≥ 0	59.6	99,8	39.9													100.0

TOTAL NUMBER OF OBSERVATIONS

2335

USAF ETAC 101.64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-71

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500=1700

CEILING							VIS	IBILITY (ST.	ATUTE MIL	ESı						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2½	≥ 2	≥1%	≥1'4	≥1	≥ 34	≥ ¾	≥ '7	≥ 5.16	≥ .	≥0
NO CEILING ≥ 20000	85.3 89.5	85.4 89.6	85,4 89.8	85.4 89.8	85.4	85.4 89.8	85.5 89.8	85.5 89.8	85.5	85,5 89.8	85.5 89.8	85.5	85.5 89.8	85.5	85.5 89.8	85.5 89.8
≥ 18000 ≥ 16000	89.6 90.3	89.7 90.4	90.6	90.6	90.6	89.9 90.6	89.9 90.6	89.9 90.6	89.9 90.6	89,9 90,6	90.6	90.6	90.6	89.9 90.6	89.9 90.6	90.6
≥ 14000 ≥ 12000	91.7	91.9	92.0 93.6	92.0	92.0 93.7	92.0	92,1 93.7	92.1	92.1 93.7	92.1 93.7	92.1 93.7	92.1	92,1 93,7	92.1	92.1 93.7	92.1
≥ 10000 ≥ 9000	94.8	94.9	95.1 95.5	95.1 95.5	95.2	95.2 95.5	95.2 95.5	95,2 95,5	95.2	95,2	95.2 95.6	95.2 95.6	95.2	95.2 95.6		95.6
≥ 8000 ≥ 7000 ≥ 6000	95.9 96.7 98.3	96.8 96.8	96.2 97.0 98.7	96.2 97.0 98.7	96.2 97.0 98.7	96.2 97.0 98.7	96.3 97.1 98.6	96.3 97.1 98.8	96.3 97.1 98.8	97.1	96,3 97.1 98.8	96.3 97.1 98.8	96.3 97.1 98.8	97.1	97.1	96.3 97.1 98.8
≥ 5000 ≥ 4500	98.7	98.8	99.1	99.3	99.1 99.3	99.1 99.3	99 2 99 4	98 8 99 2 99 4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 4000 ≥ 3500	99.0	99.1	99.4	99.4	99.4 99.5	99.4	99.5	99.6	99.5	99.6	99.6	99.6	99,6	99.6	99.6	99.5
≥ 3000	99.2	99.4	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9		99.9	99.9	99.9	99.9	99.9
≥ 2000 ≥ 1800 ≥ 1500	99.2	99.4		99.7	99.7	99.7		99,8		100.0	100.0	100.0		100.0 100.0	100.0	100.0
≥ 1500 ≥ 1200 ≥ 1000	99.2	99.4	99.7	99.7	99.7	99.7		99.8		100,0	1.	100.0	100.0	100.0	100.0	100.0
≥ 900 ≥ 800	99.2 99.2 99.2	99.4	<del></del>	99.7 99.7 99.7	99.7 99.7 99.7	99.7 99.7 99.7	99.8 99.8	99.8 99.8 99.8	99,8	100.0	100,0	100.0			100.0	100.0 100.0 100.0
≥ 700 ≥ 600	99.2	99.4	99.7	99.7	99.7 99.7	99.7	99.8	99.8 99.8	99.8	100,0		F. K. K. L. T.	W X X X	100,0	100.0	100.0
≥ 500 ≥ 400	99.2		99.7	99.7	99.7	99.7		99.8	99.8	100.0	100.0	100.0	100.0		100.0	100.0
≥ 300 ≥ 200	99.2	99,4	59.7	99.7 99.7	99.7 99.7	99.7	99.8	99.8	99.8	200.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	99.2		99.7	99,7	99.7	99.7			99.8	100.0	100.0 100.0	100.0 100.0	100.0	100.0	100.0 100.0	100.0

TOTAL NUMBER OF OBSERVATIONS....

2336

USAF ETAC 101.64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### CEILING VERSUS VISIBILITY

22111 LUKE AFB ARIZONA/PHOENIX 42-46,51-71

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES:						
FEET	≥10	≥6	≥,	≥ 4	≥ 3	≥21/2	≥ 2	≥1%	≥114	≥1	≥ 34	≥'₄	צ'י	≥516	4.4	≥0
NO CEILING ≥ 20000	64.5	84.5 89.2	84.5	84.5	84.6 89.3	84.6	84.6		84.7	84.7 89.3	84.7 89.3	84.7	84.7	84.7	84.7	84.7
≥ 18000 ≥ 16000	89.5 90.1	90.1	99.6	90.2	90.2	89.7 90.2	89.8 90.3	89 8 90 3		89.8 90.3	89,8 90.3	90.3	89.9	89.9 90.4	99.9 90.4	
≥ 14000 ≥ 12000	91.6	91.9		92.1	92.2	92,2	92.2 94.3	92.2	92.2	92.2	92.2 94.4	92.2	92.3	92,3	92.3 94.4	92.3
≥ 10000 ≥ 9000	94.9	95.1 95.5	95.2 95.6	95.3 95.8	95.4	95.4	95.5	95.5	95.5	95,5	95.5	95.5	95.6	95,6	96.1	95.6
≥ 8000 ≥ 7000	96.4	96.6 97.4	96.7	96.8	97.0 97.7	97.0 97.7	97.0 97.8	97,1	97.1 97.9	97.1 97.9	97.1 97.9	97.1 97.9	97.1	97.1 97.9	97.1	97.1
≥ 6000 ≥ 5000	98.4	98.5 98.7	98.5 98.8	98.7	98.8	96.8	98,9 99,3	99.0	99.0 99.3	99.0 99.4	99.0 99.4	99.0	99.1	99.4	99.1	99.1
≥ 4500 ≥ 4000	98.4	98.8 98.8	98.8		99.2	99.2	99.4	99.4	99.4	99,4	99,4	99.4	99.5	99.5	99.6	99.5
2 3500 ≥ 3000	98.5	98.8	99.1	99.1	99.4	99.3	99.4	99.4	99.4	99,5	99,5	99,5	99.6		99.6	99.6
≥ 2500 ≥ 2000	98.7	99.1	99.1	99,3	99.5	99,5	99.6	99.7	99.7	99,7	99,7	99.7	99.8	99.8	99.8	99,8
≥ 1800	98.7	99.1	99.1	99.3	99.3	99.5	99,6	99,7	99.7	99,7	99,7	99.7	99.8	99.8	99.8	99.8
≥ 1000	98.7	99.1	99.1	99.3	99.5	99.5	99.6	99.7	99.7	99,7	99,7	99.7	99.8	99.8	99.8	99.8
≥ 900 ≥ 800	98.7	99.1	99.1	99.3		99.5	99.6	99.7	99.7	99.7	99,7	99.7	99.8	99.8	99.8	
≥ 700 ≥ 600	98.7	99.1	99.2	99.4	99.5	99.6	99.7	99,7	99.7	99.7	99,7	99.7	99.8	99.8	99.8	99.8
≥ 500 ≥ 400	98.7	99.1	99.2	99.4	99.5	99.6	99.7	99,7	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9 99.9
≥ 300	98.7	99.1	99.2	99.4	99.5	99.6	99,7	99.7	99.7	99,7				100.0	100.0	100.0
≥ 100 ≥ 0	98.7	99.1	99.2		_ :	99,6	99,7	99,7	99.7	99.8					100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC JORN 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2335

#### CEILING VERSUS VISIBILITY

0

0

0

0

0

0

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-71

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING				····		·	VIS	IBILITY (ST	ATUTE MIL	E5,		<del></del>			·	
(FEET)	≥10	≥6	≥5	≥4	≥3	≥2′2	≥ 2	≥1%	≥14	≩1	≥ 1,4	≥ %	≥ %	≥5/16	≥ '4	≥0
NO CEILING ≥ 20000	86.4 89.2	86.7 89.4	85.7	86.7	86.7	86.7	86.7	86.7 89.5	86.7	86.7	86.7	86.7	89.5	86.7 89.5	86.7	86.7
≥ 18000 ≥ 16000	89.4 89.8	90.0		89,6 90.1	89.7 90.1	89.7 90.1	89.7 90.1	89,7 90.1	89,7 90.1	89.7 90.1	89.7 90.1	89.7 90.1	99.7	89.7 90.1	89.7	89.7 90.1
≥ 14000 ≥ 12000	91.0	92.0	92.0	92.1	92.1	92.1	92.1 94.8	92,1 94,8	92.1	92,1 94.8	92.1	92.1	92.1	92.1	92.1	92.1
≥ 10000 ≥ 9000	95.4	95.7 96.4	95.8	95.9	95.9	95,9	95.9	96.7	96.7	96.7	96.7	96.0	96.0	96.7	96.7	96.7
≥ 8000 ≥ 7000	97.2	97.4 97.8	97.9	97.6	98.1	97.7	97,8	98.2	97,9 98,2	98.2	98.2	97.9 98.2	97.9	97.9	98.2	98.2
≥ 6000 ≥ 5000	98.2	98.5	98.7	98.8	99.3	99.4	99.0	99,5	99.5	99,1	99.1	99.5	99.5	99.5	99.5	99.5
≥ 4500 ≥ 4000 ≥ 3500	98.7 98.8	99.0 99.1	99.3	99.4	99.4	99.5	99.5	99,5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7
≥ 3000	98.8	99.1	99.4	99.5	99.5	99.6	99,7 99,7	99,7	99.7 99.7 99.7	99,7 99,7	99.7	99.7 99.7	99.7	99,7	99.7 99.7	99.7 99.7
≥ 2000	99.0		99.6	99.7	99.8	99.8	99.9		100.0	100.0	100.0	100.0		99,7 100.0	100.0	1
≥ 1500 ≥ 1200	99.0	99.4	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.0		99.6		99.8	99,9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.0	99.4	99.6		99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
≥ 600	99.0	A 1 Y 4	99.6			99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100 0	100.0	
≥ 400	99.0	1 I I V 3	99.6	99.7	99.8	99.9	100.0	100.0	100,0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.0	99.4	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
≥ 0	99.0	- Y .	1 1177	1 4 7 2	99.8											100.0

TOTAL NUMBER OF OBSERVATIONS

2338

USAF ETAC 10164 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHDENIX 42-46,51-71

CCT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							vis	IBILITY (ST.	ATUTE MIL	ESı						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2⅓	≥ 2	≥1%	∑1,⁴	≩١	≥ 34	≥ ¾	≥ ⅓	≥ 5 16	≥'4	≥0
NO CEILING ≥ 20000	88.5 91.1	88.5 91.2	88.5 91.2	88.5 91.2	88.6 91.2	88.6	88.6 91.2	88.6	88.6 91.2	88,6 91.2	91.2	88.6 91.2	88.6 91.2	88,6 91.2	88.6 91.2	88.6 91.2
≥ 18000 ≥ 16000	91.8 92.1	91.9 92.2	91.9	91.9	91.9	91.9 92.2	91,9 92.2	91,9	91.9	91.9	91.9 92.2	91.9	91.9	92.2	91.9 92.2	91,9
≥ 14000 ≥ 12000	93,4	93.5 95.1	93.5 95.1	93.5 95.2	93.5 95.2	93.5 95.2	93,5 95.2	93,5	93.5 95.2	95.2	93.5 95.2	93.3 95.2	93.5	93.5 95.2	93.5	93.5
≥ 10000	96.1	96.1 96.5	96.5	96.1	96.1	96.5	96.1 96.5		96.1	96.1 96.5		96.1 96.5	96.1	96.1 96.5	96.1 96.5	96.1
≥ 8000 ≥ 7000	97.1 97.5	97.1 97.7	97.8		97.1 97.8	97.1 97.8	97.8		97.8	97.8		97.1			97.8	97.8
≥ 6000 ≥ 5000 ≥ 4500	98.3	98.6 99.5	99.5		98.6 99.6 99.7	98.6 99.6 99.7	98.6 99.6 99.7	99.6			99.6	98.6 99.5 99.7	98.5	99.6	98.6 99.6 99.7	98.6 99.6
≥ 4000 ≥ 3500	99.5	99.8 99.9	99.9	99.9	99.9	99.9	99.9	99,9	99.9		99.9	99.9	99.9	99.9	99.9	99.9
≥ 3000	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100,0	100.0	100 0 100 0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100 0	100.0	100.0	100.0	100.0	100.0	100 0	100.0	100.0
≥ 1000	99.5									100.0						100.0
≥ 700 ≥ 600	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	200.0	100.0	100.0	100.0
≥ 100	99.5 99.5 99.5	99.9	100.0	100.0	100.0	200.0	100.0	100.0	100.0	100.0 100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2415

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### CEILING VERSUS VISIBILITY .

2311: LUKE AFB ARIZONA/PHOENIX 42-46,51-71

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING			·				VIS	IBILITY (ST.	ATUTE MIL	ES)		<del></del>				
FEET	≥10	≥6	≥.5	≥4	≥3	≥2⅓	≥ 2	≥1%	≥1%	<b>≥</b> 1	≥ 14	≥ %	≥%	≥ 5,16	≥ .	≥0
NO CEILING ≥ 20000	88.6 91.6	88.6 91.7	38.6 91.7	88.6 91.7	88.6	88.6 91.7	88.6 91.7	88.6	88.6	88.6 91.7	88.6 91.7	88.6 91.7	88.6	88.6 91.7	88.6 91.7	85.6
≥ 18000 ≥ 16000	92.1	92.2 92.5	92.2 92.5	92.2	92.2 92.5	92.2	92.2 92.5	92.2	92.2 92.5	92.2	92.2 92.5	92.2 92.5	92.2	92.2 92.5	92.2 92.5	92.2
≥ 14000 ≥ 12000	93.4	93.5	93.5	93.5		93.5	94.9	93.5	93.5	93,5	94.9	93.5	93.5	93.5	93.5	93.5
≥ 10000 ≥ 9000	95.6 96.1	95.9			95.9	95.9	95,9 96,4	96.4	96.4	95.9		95.9	95.9	95.9 96.4	95.9	95,9
> 800v ≥ 7000 ≥ 6000	96.4 96.7 97.9		97.1	96.7	97.1	97.1	96.8 97.2	97.2	97.2		97.2	97.2		97.2		97.2
≥ 5000 ≥ 5000	98.5	99.4	99.5	99.5	99.5	99.5		99.5	99,5	99.5	99.5	98.6 99.5 99.7	99.5	99.5	99.5	99.5
≥ 4000	99.0	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9		99.9	99.9	99.9	99.9	99.9
≥ 3000 ≥ 2500	99.0	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.1	99.9	100.0	100.0	ico.o	100 C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100 0 100 0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700 ≥ 500	99.1	99.9	100.0	100.0	100.0	100 0	100.0	100.0	100.0	100.0	100.0	100.C	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	99.1	99.9	100.0	100.0	100.0	100.0	ico.o	Loc.o	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.1 99.1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.C
≥ 100	99.1	99.9	100.0	hon.o	100.0	100.0	100.0	loo.o	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2413

USAF ETAC #084 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 42-46.51-71

<u>QCT</u>

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

<u> ១៩០០៩០០</u>

CEILING							VIS	BILITY (ST.	ATUTE MIL	ES:						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2%	≥ 2	≥1'7	≥114	≥1	≥ ;₄	≥'•	≥ '>	≥ 5 16	≥'₄	≥0
NO CEILING ≥ 20000	81.9 86.7	52.0 86.7	82.0		86.8	82.0	82.1 86.8	82,1 86,8	82.1		82.1	82.1	82.1	82.1	82.1	82.1
≥ 18000 ≥ 16000	86.9 87.8	87.0 87.9	87.0 87.9	87.0 87.9		87.0 87.9	87.1 87.9	87.1 87.9	87.1 87.9	87.1	87.1	87.1	87.1	87.1 88.0	87.1	87,1 88.0
≥ 14000 ≥ 12000	90.1	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	7		90.3	90.3	90.3	90.3	90.3
≥ 10000 ≥ 9000	93.9	94.0	94.0	94.0	94.1	94.1	94.1	94,1	94.6	94,2	94,2	94.2	94.2	94.2	94.2	94.2
≥ 8000 ≥ 7000	95.2 95.9	95.4 96.1	95.4 96.1	95.4 96.1	95.4 96.1	95.4	95.4 95.1	95.4 96.1	95.4 96.1		96.2	95.5	95.5	95.5 96.2		95.5 96.2
≥ 6000 ≥ 5000	97,5	97.9	97.9 98.8	98.0		98.1	98.1 99.1	98,1 99,1	98.1	98.1	96.1 99.1	98.1	98.1	98.1	98.1 99.1	98.1 99.1
≥ 4500 ≥ 4000	98.4 98.7	98.9	98.9 99.3	99.1	99.2	99.2	99.2	99.2	99.2	99.6	99.3	99.3	99.3	99,3	99.3	99.3
≥ 3500 ≥ 3000	98.8 98.8	99.3		99.5 99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99:7	99.7	99.7
≥ 2500 ≥ 2000	98.8 98.9	99.4	99.4	99.6	99.7	99.7	39.7 99.8	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1800 ≥ 1500	98.9 98.9	99.5	99.5	99.6		99:7	99.8	99.8	99.8		99.8	99.8	99.8	99.8	99.8	99.8
≥ 1200 ≥ 1000	98.9 99.9	99.5	99.5	99.7 99.7	99.8	99.8	99.8 99.8	99.8 99.8	99.8	99,8	99.8		99.8	99,8		99.8
≥ 900 ≥ 800	98.9 98.9	99.5	1 1 7 7	99.7	99.8	99.8		99.8	99.8	99,9	99,9	99.9	99.9	99,9	99.9	99.9
≥ 700 ≥ 600	98.9 98.9	99,5	99.5	99.7	99.B	99.8	99.8	99,8 99.8	99.8	99,9	99.9	99,9 99,9	99.9	99.9	99.9	99,9
≥ 500 ≥ 400	98.9 98.9	99.5 99.5	99.5	99.7	99.8	99.8	99.8	99,8 99,8	99.8		99,9	99.9	99.9	99.9	99.9	99.9
≥ 300 ≥ 200	98.9 98.9	99.5	99.5	99.7	99.8	99.8		99,8	99.8	99,9		99.9	99.9	99.9	99.9	99.9
≥ 100 ≥ 0	98.9 98.9	99.5	99.5	99.7 99.7	99.8 99.8	99,8 99,8		99.8	99,8 99,8	99.9	99.9		99.9	99,9	99.9	99.9 100.0

TOTAL NUMBER OF OBSERVATIONS

2414

USAF ETAC 101 04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZOLA/PHOENIX 42-46.51-71

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PLRCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING							VIS	BILITY (ST.	ATUTE MIL	ES,						
feet	≥10	≥6	≥5	≥4	≥3	≥21/2	≥ 2	≥1'2	∡اا≲	≥1	≥ 14	≥ %	≥%	≥5 16	≥ .	≥0
NO CEILING ≥ 20000	20.6 87.0	81.1	81.2 87.6	81.3 87.7	81.4 87.8	81.4 87.8	81.6 87.9	81.6 87.9	81.6 87.9	81.6	81,6 87.9	81.6 87.9	81.6	81,6	81.6	81.6
≥ 18000 ≥ 16000	87.4 88.1	37.9 88.6	88.0	88.1 88.8	88.2 88.9	88,2 88,9	88.3	88.3	88.3	88.3	88.3 89.1	88.3	88.3	88,3 89,1	88.3	88.3 89.1
≥ 14000 ≥ 12000	90.2 91.8	90.7 92.3	90.8 92.4	90.9	91.0	91.0 92.7	91.2 92.8	92.8	91.2	91,2	91,2	91.2	91.2 92.8	92.8	91.2 92.8	91.2
≥ 10000	93.3	93.8	93.7	94.0	94.6	94.7	94,2	94.2	94.2	94.8	94.2	94.8	94.2	94,2	94.8	94.2 94.8 95.1
≥ 8000 ≥ 7000 ≥ 6000	95.1 95.7 96.8	95.6 96.4 97.4	95.7 96.4 97.5	95.8 96.6 97.6	96.7	96.0 96.7 97.8	96,1 96,8 97.9	96 + 1 96 + 8 97 • 9	96.1 96.8 97.9	96.8 97.9			96.8 97.9	96.8 96.8	96.8 97.9	96.8 97.9
≥ 5000 ≥ 4500	97.5 97.5	98.2 98.2	98.3 98.4	99.5	98.6	98.6 98.7	98.8	98 B	98.8	98 8 98 8	98.8 98.8	98.8	98.8	98.8	98.8	98.8 98.8
≥ 4000 ≥ 3500	97.9	98.7 98.7	98.8 98.8	99.0 99.0	99.1	99.2 99.2	99.3	99.3	99.4	99.3	99.3	99.3 99.4	99.3	99.3	99.3	99.3
≥ 3000	98.1	98.9	99.0	99.1	99.3	99.3	99.5	99.5 99.6 99.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 2000 ≥ 1800 ≥ 1500	98.3	99.0	99.3	99.3		99.5	99.8	99.9	99.8		99,8	99.8		99.8	99.9	
≥ 1200 ≥ 1000	98.3 98.3 98.3	99.1 99.1	99.3 99.3	99.5	99.5		99.8 99.8	100.0		100,0		100.0	100.0	99.9	100.0	100.0
≥ 900 ≥ 860	96.3 98.3	99.1	99.3	99.5 99.5 99.5	99.6	99.7 99.7 99.7	99,9	100.0	100.0	100.0	100.0 100.0				100.0	100.0 100.0 100.0
≥ 700 ≥ 600	96.3 98.3	99,1	99.3		99.6	99,7	99.9	100.0	100.0	100,0		100.0	-	0,00	100.0	100.0 100.C
≥ 500 ≥ 400	98.3 98.3	99.1 99.1	79.3 99.3	99.5	99.6 99.6	99.7 99.7	99.9	100.0 100.0	100.0	100,0	100,0	100.0	100.0	100.0 100.0	100.0	100.0
2 300 ≥ 200	98.3	99.1		99.3	99.6	99.7	69.9		100.0		100.0	100.c	100.0		100.0	100.0
≥ 100 ≥ 0	98.3 98.3															100.0

TOTAL NUMBER OF OBSERVATIONS

2412

USAF ETAC 1000 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### CEILING VERSUS VISIBILITY

LUKE AFE ARIZONA/PHOENIX

42-46,51-71

\_\_\_QÇŢ\_\_\_

PERCENTAGE FREQUENCY OF OCCURRENCE (FRCM HOURLY OBSERVATIONS)

1200-1400

CEILING							VIS	BILITY (ST	ATU" MIL	ESi						
FEET	≥10	≥6	≥ 5	≥4	≥ 3	≥21⁄2	≥ 2	≥ויי	≥1/4	≥1	≥ 1,,	≥ `•	≥ '2	≥5 16	≥ ′•	≥0
NO CEILING ≥ 20000	81.7 88.9	82.1	82.2 89.5	82.2 89.6	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3 89.8
≥ 18000 ≥ 16000	89.9 90.8	90.4 91.3	90.5	90.6	90.6	90.8	90.8 91.7	90.8 91.7	90.8	90.8	90.8	90.8	90.8	90.8	90,8	
≥ 14000 ≥ 12000	91.9	92,5	72.6	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.6
≥ 10000 ≥ 9000	93.9 94.1	94.7	94.6	94.7	94.7	94.9	94.9	94,9	94.9	94,9 95,1	94,9 95,1	94.9	94.9	94.9	94.9	94.9
≥ 8000 ≥ 7000	95.4 95.8	96.5	96.6		96.7	96.4		96.8	96.4	96.4	96.4 96.8		96.4	96.4	96.4	95.4
≥ 6000 ≥ 5000	97.0 97.8	98.5	97,8 98.6	98.7	97.9 98.8	98.1 98.9	98.1 98.9	98.1 98.9	98.1	98,1 98.9	98.1 98.9	98.1 98.9	98.1	98 • 1 98 • 9	98.1	98.1 98.9
≥ 4500 ≥ 4000	98.0	99.0		99.3	99.3	99.4	99.1 99.4			99.1 99.4			99.1	99.1	99.1 99.4	99.1 99.4
≥ 3500 ≥ 3000	98.3	99.2	99.3	99.3			99.5		99.4	99.5	99.5	99.3	99.5	99,4	99.5	99.5
≥ 2500 ≥ 2000	98.4	99.2		99.4	99.5	99.6	99.6	99.6		99.6	59.6	99.6	99.6	99.6	99.6	99.6
≥ 1800 ≥ 1500	98.6	99.4	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1200 ≥ 1000	98.6 98.8	99.5	99.7	99.8	99.8	99.8 100.0	100.0	100.0	99.8 100.0	100.0	99,8 100.0	100.0	100.0	100.0	100.0	100.0
≥ 900 ≥ 800	98.8 98.8	99.5	99.7	99 8 99 8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700 ≥ 600	98,8 98,8	99.5	94.7	99.8 99.8	99.8	100 c	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	98.8	99.5	99.7		99.8	100 C	100.0	100.0	100.6	100.0	100.0	100.0	100.0	100.0		100.0
≥ 300 ≥ 200	98.8 98.8	99.5	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.8 98.8		1 1 1 4	99.8	99.8	100.0	100.0	100,0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS

2411

USAF ETAC 10164 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

28111 LUKE AFB ARIZONA/PHDENIX 42-46,51-71

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING							VIS	BILITY (ST	ATUTE MIL	tS,						
FEET	≥10	≥6	≥5	≥ 4	≥3	≥2 ;	≥2	≥1':	≥1'₄	≥1	≥ 14	≥'•	≥ 'כ	≥5 16	≥ .	≥0
NO CEILING ≥ 20000	61.2 90.0	81.4 90.2	81.5 90.3	31.5	81.5 90.4	81.6 90.4	81.6 90.5	90.5	81.6 90.5	81.6 90.5	90.5	81.6 90.5	81.6 90.5	81.6 90.5	81.6 90.5	90.5
≥ 18000 ≥ 16000	90.6	90.8	90.9 91.4	91.0 91.5	91.5	91.0 91.5	91.1 91.5	91.1 91.5	91.1	91.1 91.5	91.1 91.5	91.1 91.5	91.1 91.5	91.1	91.1 91.5	91.1 91.5
≥ 14000 ≥ 12000	92.6	92.9	94.5	93.1	93.1	93.1	93.2	93,2	93.2	93.2 94.7	93.2	93.2	93.2 94.7	93.2	93.2	93.2 94.7
≥ 10000	95.0 95.4	95.4 95.7	95.4 95.8	95.9	95.0	95.6	95.6 96.0	95.0	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
> 8000 ≥ 7000	96.8	96.6	96.7	96.8 97.3	97.4	96.8	96.9 97.4	97.4	90.9	96.9 97.5	96.9	96.9 97.5	96.9	96,9 97.5	97.5	97.5
≥ 5000	97.6	98.7	98.2	98.3	98.9	98.9	99.0		98.4			98.4	98.4	98.4	99.0	98.4 99.0 99.3
≥ 4500 ≥ 4050 ≥ 3500	98.7 98.7	99.2	99.0	99.2 99.4 99.4	99.2 99.5	99.2 99.5	99,3 99,5	99.3 99.5	99.3 99.5	99.3 99.5	99.3 99.5	99.3 99.5	99.3 99.5	99.3 99.5 99.5	99.3 99.5	99.5
≥ 3000	98.8	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7 99.7	99.7
≥ 2000 ≥ 1800	98.9	99.5	99.7	99.7	99.6 99.7 99.8	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1500	99.0			99.8	99.9			99.5	99.9		100.0		100.0	100.0	100.0	100.0
≥ 1000	99.1	99.7 99.7	99.8	99 9 99 9	99.9	99,9	100.0	100.0	100.0	100.0	00.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.1	99.7	99.8	99.9	99.9	99.9	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.1	99.7	99.8	99.9	99.0	99.9		100.0	100.0		100.0	100.0	100.0	100.0		100.0
≥ 400	99.1	99.7	99.8	99.9	99.9	99.9		100.0				100.0	100.0			100.0
≥ 100	99.1	99.7	99.8	95.9	99.9			100.0				100.0	100.0	100.0		100.C
≥ 0	99.1	99.7	99.8													100.0

TOTAL NUMBER OF OBSERVATIONS

2414

USAF ETAC 1000 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 42-46.51-71

OCI

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800=2000

CEILING							VIS	BILITY (ST.	ATUTE MIL	ES,						
FEET	≥10	≥6	≥5	≥ 4	≥3	≥2′2	≥. 2	≥1 2	≥1 .	≥i	≥ 34	≥ %,	≥ %	≥5 16	≥ .	≥0
NO CEILING ≥ 20000	83.4 89.7	83.5 90.0	93.6	83.7	93.7	83.7 90.1	83.7 90.1	35.7	83.7 90.1	83.7 90.1	83.7 90.1	83.7 90.1	83.7	83.7 90.1	83.7 90.1	90.1
≥ 18000 ≥ 16000	90.5 91.1	90.8	90.9 91.5	91.0	91.0	91.0	91.0 91.5	91.5	91.0 91.5	91.0	91.0 91.5	91.0 91.5	91,0 91.5	91.0	91.0 91.5	91.5
≥ 14000 ≥ 12000	94.4	92.6 94.6	92.7	92.8	92.8 94.8	92.8	92,8	92.8	92.8	92,8	1 . 7 - 1	92.8	92,8	92,8 94,8	92.8	I 4 . I
≥ 10000 ≥ 9000	95.0 95.1	95.2 95.3	95.4	95.4 95.5	95.4 95.5	95.4	95.4		95.4	95.4 95.6	95.4 95.6	95.4	95.4 95.6	95,4	95.4 95.6	95.6
≥ 8000 ≥ 7000	96.3 97.1	96.6	96.8	96.9 97.8	97.8	96.9	96.9	97.9	96.9	96.9	1 7 1	96.9	96.9	96.9	97.9	97.9
≥ 6000 ≥ 5000	97.7 98.6	98.1 99.0	98.3 95.2	98.4 99.3	98.4 99.3	98,4	98.5	98,5	98.5	98.5	98.5 99.4	98.5	98.5 99.4	98,5	98.5	99.4
≥ 4500 ≥ 4000	98.6 98.6	, ,	99.4	99.3	99.3	99.3	99.7	99.4	99.4	99,4	99,4 99,7	99.4	99.4	99.4	99.4	99.4
≥ 3000	98.9	99.3	99.5 99.7	99.6	99.6	99.6	1	99.7	99.7	99.7	99,7 99,9	99,7	99.7	99,7		
≥ 2500 ≥ 2000	99.1	99.5	99.7 99.7	99.8	99.8	99.8	1	99.9	99.9			99.9			99.9	99.9
≥ 1800 ≥ 1500	99.1 99.1	99.5	99.7	99.8	99.8	99.8		A 1 1 1 2	99.9 100.0	99.9	1. 1 3 7 1	99.9	99.9	99.9 100.0		100.0
≥ 1200 ≥ 1000	99.1	99.5	99.7	99.8	99.8	99.8	100.0	100.0 100.0	100.0	100.0	100.0	100.0 100.0	100.0	100,0		100.0
≥ 900 ≥ 800	99.2		99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	00.0
≥ 700 ≥ 600	99.2	99.5		99.9	99,9			14		17 1 1 7 1	100,0		100.0	100.0	100.0	100.0
≥ 500 - 400	99.2			99.9	99,9	99.9	1.	1 1			100.0		la ' -	100.0	17 7 7 7 7	100.0
≥ 300 ≥ 200	99.2		1 1 1 V 1			99.9	100.0	100.0	100.0	100.0	100,0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	99.2			1 1 1 -												100.0

TOTAL NUMBER OF OBSERVATIONS

2413

USAF ETAC 100 0-14-5 (OL A) METHOUS EDITIONS OF THIS FORM ARE OBSOLETE

1

#### CEILING VERSUS VISIBILITY

23111, LUKE AFB ARIZGNA/PLOENIX 42=46,51-71 (25)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING							ViS	BILITY ST	ATUTE MILI	ES					,- <del></del>	
FEET	≥10	≥6	≥ 5	≥ 4	≥3	≥2 7	≥ 2	≥1 ≀	≥1.4	≥1	≥ 34	≥`•	≥ ;	≥ 5 16	٤.	≥0
NO CEILING ≥ 20000	98.2 91.5	88.4 91.9		88.4 91.9	98.4 91.9	88,4 91.9	88.5 91.9	88.5 91.9	88.5	91.9	88.5 91.9	88.5 91.9	88.5 91.9	88.5	88.5	38.5 91.9
≥ 18000 ≥ 16000	92.5	92.8	92.8	92.5 92.8	92.5	92.6 92.8	92.6	92.9	92.6	92,6 92,9	92.6	92.6	92.6	92.6	92.6	92.6
≥ 14000	93.0	93.9 95.1	96.1	93.9	93.9	93.9 96.1	93.9 96.2	93.9	93.9 96.2	96.2	93.9	93.9 96.2	93.9 96.2	93.9 96.2	93.9	93,9
≥ 10000	96.8	96,8	97.0	96.8 97.0	96.8	95.8 97.0	96.9 97.1	96,9 97,1	96.9 97.1	96.9 97.1	96.9 97.1	96.9 97.1	96.9 97.1	96.9 97.1	96.9 97.1	96,9 97.1
2 8000 2 7000	97.4	98.0		97.6	97.6 98.0	97.6 98.0	97.7	97.7 98.1	97.7 98.1	97.7 98.1	97;7 98,1	97.7 98.1	97.7	97,7 98,1	97.7 98.1	97.7 98.1
± 5000 ≥ 5000	98.3	98.7	98.7	98.7	59.4		98,8 99,4	99.4		98.8	98.8	98.3	98,8	98,8	99.4	98,8
2 450 ≥ 4000 ± 3500	98.9 99.0 99.2	99.4 99.5	99.6	99.5 99.6	,	99.5	99.5 99.5	99.6	99.6		99.6	99.5 99.6 99.8			99.5 99.6 99.8	99.6
≥ 3000	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1 20.0	100.0	100.0	100.0	100.0	100.0	100.0
2 2000	99.3	99.9	100.0	100.0	200.0	100.0	100.0	100.0	100.0	100.0	100.0	100.C	100.0		100.0	100.0
2 1500	99.3	99.9	100.0	100.0	100.0	100.C	106.0	100.0	100.0	100.0	100.0	100.0	100.0	100 0	100.0	100.0
2 1000	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100 C	100.0	100.0	100.0	100.0	100.0	100,C
2 800	99.3	99,9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.c
≥ 500	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	00.0	100.0	100.0	100.3	100.0	100.0	100.0	
≥ 400	99.3	99,9	truio	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
2 700	99.3	99.9	100.0	100.0	100.0	100:5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
≥ 0	99,3															100.0

TOTAL NUMBER OF OBSERVATIONS

2417

USAF ETAC 2004 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLITE

#### CEILING VERSUS VISIBILITY

1

23111 LUKE AFB ARIZGA ARPHOENIX 42-46 . 12-71

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000=0200

CEILING						**	/15	BILITY ISTA	ATUTE MIL	ES:						
FEET	≥10	≥¢	≥5	≥ 4	≥3	<b>&gt;</b> 2	≥ 2	≥1';	≥}'.	≥1	≥ '₄	≥ .	≥ 2	≥ 5 16	٠ د	≥0
NO CEILING ≥ 2000	84.4 88.4	84.8 88.9	84.8	84 . 8 88 . 9	84.8 88.9	84 . 6 8: . 9	84.9	84.9 88.9	84.9		84.9 88.9	84.9	84.9 88.9	84.9 88.9	84.9	84.9 88.9
≥ 18000 ≥ 16000	69.1 89.8	89.5 90.3	99.5	89.5 90.3	89.5 90.3	89.5 91.3	89.6	89,6 90.3	89.6		89.6 90.3	89.6 90.3	89.6	90.3	89.6	89.6
≥ 14000 ≥ 12000	91.3	91.9	91.9 93.8	92.0	92.0	92.0	94.0	92.1 94.0	92.1 94.0	92.1	94.0	92.1 94.0	94.0	92.1	92.1	92.1
≥ 10000 ≥ 9000	94.3	94,9	94.9	95.1 95.3	95.1	95.3	95.1 95.3	95,1 95,3		95,1 95,3	95.1 95.3	95.1 95.3	95.3	95.3	95.1 95.3	95.3
≥ 8060 ≥ 7000	95.3 95.8	96.2 96.8	96.2 96.9	96.4	97.0	27.C	96.4	95,4	96.4 97.1	96.4	96,4 97,1	96.4 97.1	96.4	96,4	96.4	96,4
≥ 6600 ≥ 5000	96.2	97.3		97.6	97.6 98.8	98.8	97.6 98.8	98.8	28.8	78.8	98.6	98.8	98.8	98.8	98.8	97.6
≥ 4500 ≥ 4000	97.6	99.0		99.3	98.9	99.3	99.3	99.3		99.3	98.9 99.3	99.3	99.3	99.3	98,9	98.9
≥ 3000	97.9	99.2	99.3	99.5	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.5	99.6	99.5
≥ 2500 ≥ 2000	98.1	99.4	99.6	9.8	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.4	99.9	99.9	99.9	
≥ 1800 ≥ 1500 ≥ 1200	98.1 98.1	99.5	99.6	99.8	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.4	99.9	99,9
≥ 1200 ≥ 1000 ≥ 900	98.1	99.5	99.6	99.8	99.9	100.0	acc.o	100,0 100,0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.1	99.5	99.6	99.8	99,9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 600	98.1 98.1	99.5	99.6	89.8	99,9	100.0	100.0	100.0	100.0	100.0	200.0	100.0	100.0	loc.c	100.0	100,6
≥ 400 ≥ 300	98.1 98.1	99.3	99.6	99.8	95.5	Loc.c	lco.c	100.0	100.0	100.0	100.0	<u> 100.0</u>	100.0	100.C	100.0	100.0
_ 200 _ 100	98.1 78.1	99.5	99.6	99.8	99,9	100.0	100.0	100.0	<u> 200.0</u>	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.1	99.5	1		99.9	100.C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2293

USAF ETAC 101.04 0+14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-71

- VS TIV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0200=0500

CEILING							VIS	IBILITY (ST.	ATUTE MIL	£5.						
,FEET	≥ 10	≥6	≥5	2.4	≥3	≥2 ?	≥2	≥11⁄2	≥1'•	21	≥ 14	≥ \.	≥ %	≥5 16	≥ .	≥0
NO CEILING ≥ 20000	83.7	84.2	84.3	84.3		84.3	84.4	84,4	84.4	84.4		84.4	84.4	84.4	84.4	
≥ 18000	P8.4	89.4	89.4		89.5	89.5	89.1 89.5	89.5	89.1	89.1 89.5	89.1 89.5	89.1	89.1 89.5	89.5	89.5	89.5
≥ 16000	88.0	90.1	90.3	90.3	90.3	90.3	90.4	90.4	90.4	90.4	99,5	89.5	90.4	90.4	90.4	90.4
≥ 14000	90.0	91.3		91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 12000	92.5	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	23.5	93.5	93.5	93.5	93.5	93.5
≥ 10000	93.7	94.5	94.6	94.7	94.7	94.7	94,7	94.7	94.7	94,7	94,7	94.7	94.7	94.7	94.7	94.7
≥ 9000	94.3	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 8000 ≥ 7000	95.0	95.9	96.0	96.1	96.1	96.1	96.1	96,1	96.1	96,1	96,1	96.1	96.1	96.1	96.1	96.1
≥ 6000	95.6	96.7	96.8	96.9	96.9	96.9	96.9		96.9	96.9		96.9	96.9	96.9	96.9	96.9
≥ 5000	96.4	97.5		97.7	97.7	97.7 98.9	97.7		97.7	97,7	97.7	97.7	97.7	97.7	97,7	97.7
≥ 4500	97.5	93.8		99.1	99.1	99.1	99.1			99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 40′00	98.0	99.2	99.3	99.5		99.5	99.6	7 7		99.6		99.6		99.6	99.6	99.6
≥ 3500	98.0	99.2	99.3	99.5	99.5	99.5	99.6	99.5	99.6	99.6	99,6			99.6	99.6	
≥ 3000	98.2	99.4	99.5	99.7	99.8	99.8	99.9		99.9	99.9		99.9	99.9	99.9	99.9	99.9
≥ 2500 ≥ 2000	96.2	99.5					99.9			99,9		99,9				99.9
	98.2	99.3					99.9			99.9					99.9	99.9
≥ 1800	98.2	99.5					99.9		99.9			99,9			1	99.9
≥ 1200	98.2	99.5					99.9			99.9					99.9	99.9
≥ 1000	98.2			4 .		99.8	99.9	99.9	99.9							99.9
≥ 900	98.2	99.3					99.9		99.9		99.9		199.9			
≥ 800	98.2	99.5	99.0	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99,9	99.9	99.9	99.9		99.9
≥ 700	98.2	99.5	• • • •					99.9	99.9		99,9	99.9	99.9			
≥ 600	98.2	99.5					99.9				99.9				59.9	
≥ 500 ≥ 400	95,2														100.0	
≥ 300	98.2	99.5									100.0				120.0 100.0	100.C
≥ 200	98.2					99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.2														100.0	
≥ 0	98.2	99.5	99.6			99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.c	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2292

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 42-46.51-71

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MILI	ES:						
FEET	≥10	≥6	≥5	≥ 4	≥3	≥2'2	≥2	≥1%	≥1'4	≥1	≥ ₹4	≥ %	≥ ′₂	≥5 16	≥.	≥0
NO CEILING ≥ 20000	78.6 84.8	79.2 65.5	79.2 85.6	79.3 85.7	79.3 85.7	79.3 85.7	79.3 85.7	79.3 85.7	79.3 85.7	79.3 85.8	79.3 85.8	79.3 85.8	79.3 85.8	79.3 85.8	79.3 85.8	79.3 85.8
≥ 18000 ≥ 16000	85.7 86.4	86.4 87.0	86.5 87.2	86.6	86.6 87.2	86.6	86.6	86.5 87.2	86.6	86,6	86.6 87.3	85.6 87.3	86.6	86.6 87.3	86.6 87.3	86.6
≥ 14000 ≥ 12000	90.4	88.4 91.0	91.2	68.6 91.3	88.7 91.3	88.7 91.4	88.7	88.7	88.7 91.4	88,8 91.4	88.8 91.4	88.8 91.4	88.8 91.4	88,8 91,4	88.6	91.4
≥ 10000	92.1	92.8	93.0	93.1 93.6	93.1 93.7	93.1 93.7	93,1	93.7	93.1	93.2	93.2	93.2	93.2	93,2 93.8	93.2	93.2
≥ 8000 ≥ 7000	93.2	94.0	94.2	94.2	94.3	94.3	94.3	94,3	94.3	94.4 95.5	95.5	94.4	94.4	94.4	94.4	94.4
≥ 6000 ≥ 5000	95.6 96.8 97.1	96.6 97.7 98.0	96.8 97.9 98.3	96.9 98.0 98.3	97.0 98.1 95.4	97.0 98.2	97.0 98.2 98.5	97.0 98.2	97.0 98.2 98.5	97,1 98,2 98.5	97.1 98.2 98.5	97.1 98.2 98.5	97.1 98.2	97,1 98.2	97.1 98.2	97.1 98.2 98.5
≥ 4000 ≥ 3500	97.5	98.4 98.5	98.7 98.9	98.3 98.7 98.9	98.9	98.5 99.0 99.1	99.0	98,5 99.0 99.2	99.0		99.0	99.0	98.5 99.0 99.2	98,5 99,0 99,2	98.5 99.0 99.2	99.0
≥ 3000	97.9	98 9 99 1	99.2	99.2 99.5	99.4	99.4	99.5	99.2 99.5 99.7	99.2 99.5	99.5	99.5	99.5	99.2 99.5 99.8	99.5	99.5	99.5
≥ 2000	98.2 98.2	99.3 99.3	99.6	99.6 99.6	99.8	99.8	99.9		99.9	99,9	99.9	99.9	99.9	99.9	99.9	99.9 100.0
≥ 1500	98.2	99.3	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.C
≥ 1000 ≥ 900	98.2	99.3	99.6	99.7	99.9	99.9	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100 C
2 800	98.2	99.3	99.6	99.7	99.9			100.0					100.0	100.0	100.0	100.0
≥ 600	98.2	99.3	99.0	99.7	99.9			100.0					100.0		100.0	
≥ 400	98.2		99.6		99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.2	99.3	99.5	99.7	99.9	99.9	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.2	99.3	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.2

TOTAL NUMBER OF OBSERVATIONS

2290

USAF ETAC 101 64 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE CASCIETE

#### CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHGENIX 42-46.51-71

NONE V

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING							VIS	IBILITY (ST.	ATUTE MIL	ES:						
(FEET)	≥10	≥6	≥5	≥ 4	≥ 3	≥2.2	≥ 2	≥11⁄2	≥1%	≥ì	≥ ¼	≥ >⁄•	≥ 'ז	≥ 5 16	≥ '.₄	≥0
NO CEILING ≥ 20000	75.3 83.5	76.2 84.3	75.2 64.4	75.2	75.3 84.4	76.3 84.4	76.4	76,4	76.4 84.6	76,4 84.6	76.4 84.6	76.4 84.6	76,4 84.6	76.4 84.6	76.4 84.6	84.6
≥ 18000 ≥ 16000	84.7	35.6 35.5	85.6 86.5	85.6	85.7 36.6	85.7 86.6	85.9 86.7	35.9 86.7	85.9	85,9 86.7	85.9 86.7	85.9	85.9 86.7	85,9 86.7	85.9 86.7	86.7
≥ 14060 ≥ 12000	87.4	90.2	88.4 90.2	88.5 90.3	90.4	90.4	88.7 90.6	90.6	88.7 90.6	88,7 90.6	88.7 90.6	88.7 90.6		88,7 96,6	88.7 90.6	88,7 90.6
≥ 10000 ≥ 9000	91.1 91.5	92.7	92.3	92.3	92.4	92.4	92.6 93.1	92.0	92.6	92.6	92.6	92.6	93.1	92.6 93.1	92.6 93.1	93.1
≥ 8000 ≥ 7000 ≥ 6000	92.5 93.4	93.7	94.6	94.7	93.9	93.9	95.0		94.1 95.0	95.0	94.1	94.1		94.1	94.1	94.1
≥ 5000 ≥ 4500	94.3 95.2 95.5	95.5 96.4 96.8	95.6 95.5 96.9	95.6 96.6 97.0	95.8	95.8 96.8 97.2	96.0 97.0 97.4	97.0	, , , ,		97.0	96.0 97.0 97.4	97.0	96.0 97.0 97.4	96.0 97.0 97.4	
≥ 4000	96.0	97.3	97.4	97.5	97.1 97.6 97.8	97.7	97.4 97.9 98.1	97,4 97.9 98.1		97.9	, ,	97.4 97.9 98.1		97.9 98.1	97.9 98.1	1 - 1 7 - 1
≥ 3000	95.6 97.0	98.5	98.2	98.4 98.9	98.5	98.6	98.8	98.8	98.8 99.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 2000	97.2	98.8	99.0		99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1500	97.2	98.8 98.8	99.0	99.3	99.5		99.8		99.8	99.9	99.9	99.9	99.9	99.9	99,9	99,9
≥ 1000	97.2	98.8	99,1	99.4	99.6	99.7	99.9		99.9	<del></del>	100.0			<del></del>	100.0	100.0
≥ 800 ≥ 700 ≥ 600	97.2	98.9	99,1	99.4		99.7	99,9	99,9	99,9	100.0			100.0	100.0	100.0	100.0
≥ 500 ≥ 400	97.2 97.3 97.3	98.9	🕶		99.7	99.7			100.0	100,0	100.0 100.0 100.0	100.0	100.0	100.0	100.0	100.0 100.0
≥ 300° ≥ 200°	97.3 97.3	98.9	99.2	99.4	79.7	99.7	100.0	100,0	100.0	100,0	100.0	100.0	100.0		100.0	100.0
≥ 100 ≥ 0	97.3	98,9	99.2	99.4	99.7	99,7	100.0	100,0	100.0	100,0	100.0	100.0	100.0	100,0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2292

USAF ETAC 10164 0-14-5 (OL A) MEYOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

22111 LUKE AFB ARIZONA/PHOENIX 42-46,51-71

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET							VIS	IBILITY (ST	ATUTE MIL	LES)						
	≥10	≥6	≥ 5	≥ 4	≥3	≥212	≥2	≥1 ½	≥114	≥1	≥ 14	≥ %	≥ 1/2	≥5 16	≥ ′4	≥0
NO CEILING	75.7 64.0	76,3 64.6	76.3 84.7	76.4 84.7	76.4	76.5		76,5	76.5 85.1	76.5 85.1	76,5 85.1	76,5		'		76.5
≥ 18000 ≥ 16000	85.2 86.3	85.9 86.9	85.1 87.2	86.1	86.3 87.4	86,4		86.5	86.5	86.5	86.5	86.5	85.1	86.5	85.1	85.1
≥ 14000 ≥ 12000	58.2 89.2	89.9	89.1 90.2	89.2	89.3	89.4	99.5 90.5	89.5	89.5	89.5	87.5		87.5	87.5	87.5 89.5	87.5 89.5
≥ 10000 ≥ 9000	91.4	92.2	92.4	92.5	92.7	92.7	92.8	92.8	92.8	90.5	90.5	90.5 92.8	90.5	90.5	90.5	90.5
≥ 8000 ≥ 7000	92.7 93.5	93.6	93,8	93.9	94.1	94,1	94.2	94,2	94.2	94.2	94,2	94.2		93.2	93.2	94.2
≥ 6000 ≥ 5000	94.8 95.8	95.7	95.9	96.0	96.2	96.3	96.4	95.0 96.4 97.4	95.0	96.4	95.0 96.4	95.0	96.4	95.0	95.0	95.0
≥ 4500 ≥ 4000	96.2	97.1 97.6	97.4	97.3	97.6 98.2	97.8 98.3	97.8	97,8	97.8	97.8	97.4 97.8	97.4 97.8		97.4 97.8	97.4	97.4
≥ 3500 ≥ 3000	96.8 97.2	97.7	98.0	98.1 98.6	98.3 98.8	98.4	98.5	98,5	98.5	98.4	98.4	98.4		98.4	98.4	98.4
≥ 2500 ≥ 2000	97.2	98.2 98.6	98.6	98.6	98.9 99.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1800 ≥ 1500	97.5	98.6 98.6	99.0	99.0	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7 99.8	99.8	99.8	99.7	99.7
≥ 1200 ≥ 1000	97.5	95.6 95.6	99.0	99.1	99.5	99.7	99.7	99,8	99.8	99,8	99.8	99.8	99.8	99.8	99.8	99,8
≥ 900 ≥ 800	97.5	98.6	99.0	99.1	99.5	99.7	99.7	99,8	99.8		99.9	99.9	99.9	99.9	99.9	99.9
± 700 ≥ 600	97.5	98.7	99.0		99.6 99.6	99.7 99.7 99.7	99.8	99,9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500 ≥ 400	97.6	98.7	99.1		99.6	99.7	99.8	99.9	99.9	99,91	OC , OI	.00 • 01	.00.01	.00 - 01	00.00	00.0
2 300 ≥ 200	97.5		99.1	99.2	99.6	99,7	99.8	99,9	99.9	99.91	00.01	00.01	00.01	00 01 00 01	00.01	00.0
≥ 100	97.6	98.7		59.2	99.6	99,7	99.8	99,9	7700	99,91	00.01	00.01	00.01	00.01	00.01	00.0
<u> </u>		10011	7734	74.4	99.6	99.7	99.8	99.9	99.9	99.91	00.01	00.01	00.01	00.01	00. ob	00.0

TOTAL NUMBER OF OBSERVATIONS

2288

USAF ETAC 101 04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHUENIX 42-46,51-71

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING							VIS	BILITY (ST)	ATUTE MILI	ES;						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥21'5	≥ 2	≥11/2	≥1'4	≥1	≥ ,⁴	≥'•	≥ ,	≥ 5 16	≥.	≥0
NO CEILING ≥ 20000	75.1 85.2	75.8 85.8	75.8 85.9	75.8 85.9	75.8 86.0	75.8 86.0	75.8 86.0	75.8 86.0	75.8	75.8 86.0	75.8 86.0	75.8 86.0	75.8	75.8 86.0	75.8 86.0	75,8 85.0
≥ 18000 ≥ 16000	66.0 87.2	56.6 87.9	86.7 88.0	86.7 88.1	86.8 88.2	86.8 88.2	86.8 88.2	86,8 88,2	86.8 88.2	86.8 88.2	86.8 88.2	86.8	86.8	86.8	86.8	86.8 88.2
≥ 14000 ≥ 12000	119.0	89.7 90.8	90.9	91.0	90.1	90.1	90.1 91.2	90.1	90.1	90,1 91,2	90,1 91,2	90.1	90.1	90.1	90.1	90.1
≥ 10000	92.4	93.7	93.5	93.5 94.0	93.7	93.7 94.1	93.7	93.7	93.7	93,7	93.7	93.7	93.7	93.7	93,7	93.7
≥ 8000 ≥ 7000	93.8	94.7	94.9	95.0 95.8	96.0	95.1	95.1	95.1 96.0	95.1	95.1	95.1 96.0	95.1		95.1	95.1 96.0	95.1
≥ 6000 ≥ 5000	95.8 97.0 97.1	96,7	98.2	90.2	98.4	97 • 2 98 • 4	98.4	97,2 98,4	97.2 98.4 98.5	97.2 98.4	97.2 98.5 98.6	98.5	97.2 98.5	97,2 98,5	97.2 98.5 98.6	97.2 98.5 98.6
≥ 4000	97.4	98.0 98.3 98.5	98,2 98.6 98.7	98 3 98 6 98 8	98.9	98.5 98.9		98.9	98.9	98.5 98.9 99.0	98.9	98.6 98.9 99.1	98.9	98,6 98,9 99,1	98.9	98.6 99.0 99.1
≥ 3000	97.8 97.6	98.7	99.0	99.0		99.3	99,3	99.3	99.3	99.3	99,3		99.3	99.3	99.3	99.4
≥ 2000	98.1 98.1	99 1 99 1	99.3	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
≥ 1500 ≥ 1200	98.1	99.1	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8 99.8	99.8	99.8	99.8	99.8
≥ 1000	98.2	99.2	99.4	99.5	99.7	99.8	99,8		99.8	99,8	99.9	99.9	99.9		99.9	99,9
≥ 800	98.2	99.2	99.4	99.5 99.5	99.7	99.8	99.8		99.8	99,8	99,9	99.9	99.9	99,9	99.9	99,9
≥ 600 ≥ 500 ≥ 400	98.2	99.2	99.4		99.7	99.8	99.8			99,9		100.0	100.0		100.0	
± 300 ≥ 200	98.2	99.2		99.5		99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	96.2	99.2	99.4		99.7	99.8 99.8	99.8	99.9	99.9	99,9	100.0	100.0	100.0	100.0	100.0 100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

2285

USAF ETAC 101 04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSCIETE

DATA PROCESSING BRANCH USAF ETAC AIR MEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 42-46.51-71

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING							VIS	IBILITY (STA	ATUTE MIL	ES						
FEET	≥10	≥6	≥5	≥ 4	≥3	≥2 ₁	≥ 2	≥1'2	≥1′.	≥1	≥ 34	≥ %	≥ '2	≥5 16	≥ '₄	≥0
NO CEILING ≥ 20000	79.4	79.6 86.4	79.7 86.5	79.7 86.5	79.7 86.6	79.7 86.6	79.7	79.7 86.6	79.7 86.6	79,7 86.6	79.7 86.6	79.7 86.6	79.7	79.7 86.6	79.7 86.6	79.7 86.6
≥ 18000 ≥ 16000	87.2 88.1	87.4 88.3	97.4 88.4	87.4 88.4	\$7.5 88.5	87.5	87.5 88.5	87,5 88,5	87,5 88.5	87.5 88.5	87.5 88.5	87.5 88.5	87.5	87.5 88.5	87.5 88.5	87,5 88.5
≥ 14000 ≥ 12000	39.9 91.6	92.1	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90,5	90.5	90.5
≥ 10000	93.1	93.6	93.7	93.7	94.5	93.8	93.8	93.8	93.8	93,8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 8000 ≥ 7000	95.5	95.3	95.4	95.4	95.5	95.5	95.5 96.4	95,5 96,4	95.5	95.5	95.5	95.5 96.4	95.5	95.5	95.5	95,5 96,4
≥ 6000 ≥ 5000 ≥ 4500	96.8 97.5 97.7	97.3 98.0 95.2	97.4 98.1 98.3	97.5 98.2 98.4	97.7 98.5	97.7 98.5 98.6	97.7 98.5 98.6	97.7 98.5 98.6	97.7 98.5 98.6	97,7 98,5 98,6	97,7 98.5	97.7 98.5 98.6	97.7 98.5 98.6	97,7 98.5 98.6	97.7 98.5 98.6	97.7 98.5 98.6
≥ 4000 ≥ 3500	98.3	93.7	98.8	98.9	99.2	99.2	99.2	98.0 99.2 99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 3000	98.4	99.0		99.1	99.4	99.4	99.4 99.4	99.4 99.4	99.4	99.4 99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2000	98.5	99.1	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
≥ 1500	98.6		99.4	99.5		99.7	99.7	99.7	99.7	99,7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	98.5	99.2		99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99,7	99.7	99.7	99.7	99.7
≥ 800 ≥ 700 ≥ 600	98.6	99,2	99.4		99.8		99.7	99.7								99.7
≥ 500 ≥ 400	98.6 98.6 98.6	99.2	99.4		99.8	99.8	99.8 99.8 99.8	99.8	99.9	100.0	99.8 100.0	100.0		100.0		99.8 100.0 100.0
≥ 300 ≥ 200	98.6	99.2	99.4	99,5	99.8	99,8	99.8	99.9	99,9	100.0	100.0		100.0	100.0	100.0	100.0
≥ 100 ≥ 0	98.6	99.2	99.4	99.5	99.8	99.8	99,8		99.9	100.0		100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS

2290

USAF ETAC 10164 0-14-5 (OL A) MEVIOUS ECHTIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

LUKE AFE ARIZGNA/PHOENIX 42-46.51-71

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING		J7 \$4	<del></del>				VIS	IBILITY (ST.	ATUTE MIL	£S:						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥3	≥2'ז	≥ 2	≥1'5	≥1/4	≥1	≥ ۥ,	≥'•	≥ '5	≥5 16	≥ '4	≥0
NO CEILING ≥ 20000	63.7 09.2	84.0 89.5	84.0	84.0	84.0 89.5		84.1 89.6	84.1 89.6			84.1	84.1	84.1		84.1 89.6	84.1
≥ 18000 ≥ 16000	69.7 90.0	90.0			90.0	90.0	90.4		90.0		90.0	90.4	90.0			
≥ 14000 ≥ 12000	91.0 93.2	92.3 93.8			92.3	93.9	92.4 93.9	93.9	93.9			93.9	92.4 93.9			92.4
≥ 10000 ≥ 9000	94.1 94.5	94.7		94.5	95.2	95.2				95.3	95.3	95.3	94.9	95.3	94.9	95.3
≥ 8000		95.8	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	96.1	97.1	97.1	96.1
≥ 6000 ≥ 5000	97.0 97.8	97.9 98.7	99.0	99.0		99.0		99.1	99.1	99.1	99.1	99.1	98.2	99.1	99.1	99.1
≥ 4500 ≥ 4000	97.8	98.7	99.3	99.3	99.3	99.3		99.3	99.3	99.3	99.3	99.3		99.3	99.3	99.1
≥ 3500 ≥ 3000	98.1	99.1 99.2	79.5	99.5	99.6	99.6		99.6	99.6	99.6	99.6	99.6	99.5	99.6	99.6	99.6
≥ 2500 ≥ 2000	98,2 98.4	99.3 99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.A		99.8	99.8	99,7
≥ 1800 ≥ 1500	98.4 98.4	99.4	99.7	99.7 99.7	99.8	99.8	99.8	99.8	99.8	99.3	99.8	99.8	99.8	99.8	99,8	99.8
≥ 1200 ≥ 1000	98.4 98.4	99.4	99.8	99.8	99.8	99,8	99.9	99.9	99.9	99,9	99,9	99,9	99.9	97.9	99.9	99.9
≥ 900 ≥ 800	98.4	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9		99.9	98.9	99.9	99.9
≥ 700 ≥ 600	98.4		99.8	99 A	99.9	99.9		100.0	100.0		100.0		100.0	100.0	100.0	100.0
≥ 500	96.4		99.8	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.C	100.0	100.0	100.0	100.c
2 300 2 200 > 100	98.4		99,8	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	96.4 98.4	99.5													100.0	

TOTAL NUMBER OF OBSERVATIONS

2291

USAF ETAC 100 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCO USAF ETAC AIR MEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

C

23111 LUKE AFB ARIZONA/PHOENIX 41-45,51-71

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY STA	TUTE MIL	ES,						
(FEET)	≥10	≥6	≥5	≥ 4	≥3	≥2'7	≥ 2	≥1'2	≥1'4	≥1	≥ 1,4	≥ >•	≥ '⁄2	≥5 16	≥ '4	≥0
NO CEILING ≥ 20000	76.9 82.8	79.2 54.2	78.2 94.2	78.4 84.5	78.4 84.5	78 . 4 84 . 5	78.4 84.5	78.0 84.6	78.6 84.6	78.6 84.6	78.6 84.6	78.6 84.6	78.6	78.5 84.7	78.6 84.7	84.7
≥ 18000 ≥ 16000	63.4 94.1	84.8 85.5	84.2 85.5	85.1 85.8	85.1 85.8	85.1 85.8	85.8 95.8	85.3	85.3	85.3 86.0	85.3 86.0	85.3 86.0	85.3 86.0	85.3 86.0	85.3 86.0	85,3 86.C
≥ 14000 ≥ 12000	85.2 87.7	86.6	86.6	86.9	86.9	86.9 3.9.3	86.9	87.0	87.0 89.5	87.0 89.5	87.0 89.5	87.0 89.5	87.1 69.5	87.1	87.1 89.5	87.1 89.5
≥ 10000 ≥ 9000	89.3 90.0	90.7 91.4	90.7 91.4	90.9	90.9	90.9 91.6	90.9	91.1 91.8	91.1 91.8	91.1	91,1 91,8	91:1 91:8	91.2	91.2	91.2	91.2 91.9
≥ 8000 ≥ 7000	90.8	92.1	92.2	92.4	92.4	92.4	94.2	92,6	92.6	92,6	92.6	92.6	92.6	92.6	92.6	94.4
≥ 6000 ≥ 5000 ≥ 4500	93.9	95.2 95.4	95.3	95.5	95.6 96.7	95.6 96.7	95.6	95.7	95.7 96.9	95,7	95.7	95.7 96.9	95.8 97.0	95.8 97.0 97.4	95.8 97.0	95.8 97.0 97.4
≥ 4000	95.3 95.6 95.9	96.8 97.2 97.5	96.9 97.3 97.5	97.1 97.5 97.8	97.1 97.5 97.8	97.1 97.3 97.8	97.1 97.5 97.8	97.3 97.7 98.0	97.3 97.7 98.0	97.3 97.7 98.0	97.3 97.7 98.1	97.3 97.7 98.1	97.4 97.8 98.1	97.8 98.1	97.8 98.1	97.8 98.1
≥ 3000	96.2 96.3	97.9	98.1	91.4	96.4	98.4	98.4	98.5	98.6	98.5 98.9	98.7 99.0	98.7	98.8	99.8	98.8	98.8
≥ 2000	96.6	98.4 98.5	98.8	99.1 99.1	99.1 99.2	99.1	99.1	99.3	99.3	99.3 99.4	99.4	99.4	99.5	99.5	99.5	99.5
≥ 1500 ≥ 1200	96.6	98.5	98.9	99.2	99.3	99.3	99.3	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	96.9	98.6	99.0	99.3		99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.8	
≥ 300 ≥ 700 ≥ 600	95.8	96.7	99.0			99.4	99.4		99.6			99.7	99.8	99,8		
≥ 500 ≥ 400	96.8	98.8		99.3	99.5	99.4		99.6	99.7	99,7	99,8	99.8	99.8	99,8	99.8	99.8
≥ 300 ≥ 200	96.8	98.8	99.1	99.5		99.6	99.6		99.8	99,8	99,9	99,9	77111	100.0		100.0
≥ 100 ≥ C	96.8 96.8	98.8	99.1	99.5		99,6	99,6	99,8	99.8 99.8 99.8	99,8	99,9			100.0		100.0 100.0

TOTAL NUMBER OF OBSERVATIONS

2407

USAF ETAC 101.64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING MARGON USAF ETAC AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 41-45.51-71

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING							VIS	BILITY (ST	ATUTE MILI	ES:						
FEET	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2'7	≥ ?	≥1'.	≥1'.	≥1	≥ 34	≥ '•	≥ %	≥ 5 16	2.	≥0
NO CEILING ≥ 20000	78.U 82.6	78.8 83.8	79.0	79.1 84.1	79.2 84.2	79.2 84.2	79,3 84,3	79.4 84.4	79.4 84.4	79,4 84,4	79.4 84.4	79.4 84.4	79.5	79.5 84.5	79.6 84.5	79.6 84.6
≥ 18000 ≥ 16000	83.0 53.5	84.2 84.8	84.9	85.1	84.5 85.1	84.6 85.2	84.7	84 • 8 85 • 4	84.8	84.8 85.4	84,8 85.4	84.8 85.4	84.9	84.9 85.4	84.9	85.5
≥ 14000 ≥ 12000	84.7 87.1	85.9	56.1 88.5	86.2 88.6	86.3 88.7	86,3	86.4 88.8	86,5	86.5	86.5	86,5 88.9	86.5	86.6	86.5	86.6	86,7 89,1
≥ 9000 ≥ 9000	88.6 89.5	89.5 90.8	90.0	71.1	90.2 91.1	90.2	90,3 91,3	90.4	90.4	90.4 91.4	90.4	90.4	90.5	90.5	91.5	90.6
≥ 8000 ≥ 7000	90.3	93.5	91.9	93.8	93.8	92.1	92,2 94.0	92,3	92.3	92.3	92.3	92.3 94.1	92.4	92.4	92.5	92.5
≥ 6000 ≥ 5000	93.4	94.7	94.9		96.1	95.1	95.2	95.3	95.3	95.3	95,3	95.3	95.4	95,4	95.4	95.5
≥ 4500 ≥ 4000	94.5	95,9 96,4	96.1		96.8	96.9	96.4	96.5	96.5	96,5 97.1	97.1	96.5 97.1	96.6	97.2	96.6	96.7
≥ 3500 ≥ 3000	95.4	96,8	97.1 97.8	98.0	97.3	98.1	96,2	97.6	98.3	98.3	98.3	97.6	97.6	98.4	98.4	98.5
≥ 2500 ≥ 2000	95.6		98.5	98.7	98.4	98.8	98,6		98.7	98,7	99.0	98.7	98.8	99.1	99.1	98.8
≥ 1800	95.9 95.9	93.1	98.6	98.8	98.9 98.9	99.0	99.1	99,2	99.1	99.1 99.2 99.5		99.2	99.2	99.3	99.3 99.3	99.3
≥ 1000	95.9 95.9	98.2 98.2		99.1	99.2	99.3 99.3	99.4 99.4	99.5	99.5	99.5	99.5	99.5	99.5 99.5	99,5	99.6	99.6 99.6
2 900 2 800	95.9	98.2	98.9 98.9	99.1	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
2 700 2 600 2 500	95.9 95.9	98.3	98.9	99.1	99.2	99.3	99.4		99.5	99.5	99.5		99.5	99.5	99.6	99.5
≥ 400 ≥ 300	95.9 95.9	98.3		99.2	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.8
≥ 200	95.9 95.9	98.3		99,2	99.4	99.4		99.6	99.6		99.6	99.6	99.7	99.7	99 8 99 8	99.8
≥ 0		98.3								99.7			99.8			

TOTAL NUMBER OF OBSERVATIONS

2411

USAF ETAC 100 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING WRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 41-45,51-71

OEC\_\_\_

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600=0800

CFILING							VIS	IBILITY (ST	ATUTE MIL	ES.						
(FEET	≥10	≥6	≥5	≥ 4	≥3	≥270	2:	≥},	≥114	≥١	≥ ,•	≥ ¾,	≥ ′,	≥5 16	≥.	≥0
NO CEILING ≥ 20000	73.1	74.1	74.2 80.4		74.3		74.4		74.4			74.5	74.6		74.6	
≥ 18000 ≥ 16000	79.8 60.4	80.9 81.4	91.1 81.6	81.2 81.7	81.2 81.7	81.8	81.4	81.4 81.9	81.4	81.4 81.9			01.6 82.1	81,6 82.1	81.6 82.1	
≥ 14000 ≥ 12000	82.0 84.5	82.1 85.7	83.2 85.9	83.3	83.3		83,5 86,2	83.5	83.5 86.2	83,5 86.2		83.6 86.2	83.7	83,8	83,8 86.4	83.8
≥ 10000 ≥ 9000	86.0 86.7	67.1 87.9	87.3 88.0		37.4 80.1	88.3	87.6	88.3	88.3	87.6 88.4	88.4	87.7 88.4	87.8 88.5	87.8	87.8 88.6	1. 1 7 11
≥ 8000 ≥ 7000	68.1 89.6		91.0	91.2	91.2	91.3	89.8 91.3	91.3	91.3	91.4	91.4	91.4	91.5	91.6	91.6	91.6
≥ 6000 ≥ 5000	93.0		94.7	92.9	92.9	95.1		95.1	95.1	93,1	93.2	95.2	93.3	95.4	95.4	95.4
≥ 4500 ≥ 4000	93.6		96.2	96.4	96.5	96.7	95.7 96.8	96.8			96.9	96.9	97.0	97.0	99.0	97.1
≥ 3500 ≥ 3000	94.7		97.2			97.8		97.9	97.9	98.0	98.0	97.4 98.0	98.1	98.2	98.2	98.2
≥ 2500 ≥ 2000	95,1 95,4	97.5	97.9	98.3	98.3	95.6		98.7	98.7		98.8		98.9	99.0	99.0	99.0
≥ 1500	95.5		98.2	98.5	98.7	99.0	99.0	99.0	99.0	99.1	99.2	99.2	99.3	99.3	99.3	99.4
≥ 1200	95.6 95.6	97.8 97.9	98.3	98.7	98.8	99.2	99.2	99,3	99.3	99.3	99.4	99.4	99,5	99.5	99.5	99.6
≥ \\00 ≥ 300	95.6 95.6		98.3	98.7	98.9	99.2	99.3		99.3	99.3	99.4	99.4	99,5	99.5	99.5	99.6
≥ 700 ≥ 600 ≥ 500	95.6	97.9	98.3	98.7		99.2		99.3	99.3	99,3	99.4	99.4	99.5	99.6	99.6	99.5
≥ 400 ≥ 300	95.6	97.9	98.3	98.7	98.9	99.2	99.3	99.3	99.3	99,3	99.4	99.4		99.6	99.6	99.7
≥ 200	95.6	97.9	98.3	98.7	99.0	99.2		99.3	99.3	99,4	99,5	99.5 99.5	99.7	99.7	99.7	99.8
2 0	95,0				99.0	1								99.8		100 · C

TOTAL NUMBER OF OBSERVATIONS

2413

USAF ETAC 10164 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING ARAGCH USAF ETAC AIR WEATHER SERVICE/ AC

## CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 41-45.51-71

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST	ATUTE MILI	E\$:						
FEET	210	≥ه	≥ 5	≥ 4	≥3	≥21/2	≥ 2	≥1'2	≥1'.	≥;	≥ '₄	≥'•	≥ '>	≥ 5, 16	٤.	≥0
NO CEILING ≥ 70000	57.6 78.1	68.4 79.0	68.7 79.5	69.2	69.4	69.4	69.4	69,4	69.4	69.5	69.5	69.5	69.5	69.5 50.4	80.4	69.5
≥ 18000 ≥ 16000	78.9 79.7	79.8	80.2 81.0	80,8 61.6	80.9	81.6 81.8	81.8	81.0	81.0	81.1	81.1	81.1	81.2	81.2	81.2	81.2
≥ 14600 ≥ 12000	51.7 83.9	82.7 84.9	83.1 85.3	83.7 85.9	83.9	83.9 86.1	83.9	33.9 86.1	83.9	84,1	84,1	84.1	84.1	84.1	84.1	84.1
≥ 10000 ≥ 9000	65.6 96.7	85.6	87.0 88.1	87.6 68.7	87.6 88.8	87.8 88.9	87.8 88.9	87,8 88.9	87.8 86.9	87.9 89.0	87.9 89.0	87.9 89.0	88.0 89.0	88.0	58.0 69.0	88.0 89.0
≥ 8000 ≥ 7000	88.2 99.5	89.2 90.5	79.5 90.9	90.2 91.4	90.4	90.4	90.4	90,4 91.7	90.4	91.8	90.5	90.5 91.8	90.6 91.8	91.6	90,6 91.8	90.6 91.8
≥ 6000 ≥ 5000	90.5	91.6	92.0	92.7 94.8	92.8	92.9 95.1	92,9 95.1	92.9 95.1	92.9 95.1	93.0 95.2	93.0	93.0 95.2	93.0	93.0 95.2	93.0 95.2	93.0 95.2
± 4500 ≤ 4000	92.9	94.1	94.5	95.1 96.0	95.3	95.4	95,4	95.4	95.4	95,5 96,5	95.5	96.5	95.6	95.6	95.6	96.6
± 3500 ≥ 3000	94.6	96.4	96.4 97.0	97.0 97.7	97.2 97.9	97.3 98.0	97.4 98.1	97.4	97.4	98.3	97.6 98.3	98.3	97.6 98.3	97.6 98.3	97.6 98.3	97.6 98.3
≥ 2500 ≥ 2900	95.2 95,4		97.6	98.C 95.3	98.2 98.5		98.8	98.5	98.5 98.9	98.6	98.6	99.5	99.1	98.6 99.1	99.1	99.1
± 1800 ± 1500	95.4	97.0 97.1	97.8	98.3	98.5 98.6		98.2	98,9 99,2	98.9 99.2	99.3	99.0	99.3	99.4	99,1 99,4	99,1	99.1
1200 ≥ 1000	95.6	97.2	97.9	98.5	98.8 98.9	99.0	99,2	99,3	99.3	99.5	99.4	99.4	99.5	99.5	99.5	99.5
± 900 ± 860	95.6	97.3	98.0	98,7 98,7	99.0		99,3	99.5		99,5	99,5	99.5	99.6	99.6	99.5	99.5
2 700 2 600	95.5 95.6	97.3 97.3	98.0 98.1 98.1	98.7 98.8 98.8	99.0 99.0	99,2 99,2	99,4 99,4	99,5	99.5 99.5	99,6 99,7	99,6 99,7	99.6 99.7	99.7 99.8	99,7 99.8	99.7 99.8 99.8	99.7 99.8 99.8
2 500 ± 400 2 300	95.6	97.3 97.3	- 7	98.8 98.8	99.Q		99.4	99.5	99.5	99.7	99.7	99.7	99.8	99.8 99.8		99.8
≥ 700	95.6	97.3		98 B	99.0 99.0		99.5	99.5	2	99,8	99.8			99.8	99.8	
2 100	95.6	. ▼ -		98.8	99.1	99.3					99.8		99.9	99,9		100.0

TOTAL NUMBER OF OBSERVATIONS

2409

DATA PROCESSING BRANCH USAF ETAG AIR WEATHER SERVICE/\*AC

## CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 41-45,51-71

\_\_\_\_OEC\_\_\_

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1400

CEILING							VISI	BILITY ISTA	TUTE MIL	£\$.						
FEET	≥10	≥6	≥ 5	≥ 4	≥3	≥2'2	22	≥19	≥1.	≥1	≥ ٠,₄	≥ ′•	≥ ,	≥5 16	≥ .	≥0
NO CEILING ≥ 20000	65.7 77.8	67.5 79.7	68.0 80.3	68.3 80.6	68.4 80.7	68,4 80.7	68.4 80.7	68,4	68.4	68.5 80.8	68.5 80.8	68.5 80.8		68.5 80.8	68.5 80.8	68.5 80.3
≥ 18000 ≥ 16000	78.7	80.6 81.7	81.2 82.3	81.5 82.6	81.7 82.7	81.7	81.7	81,7 82,7	61.7 82.7	61.7 82.8	81.7	81.7	81.7	81.7 82.8	81.7	81.7 82.8
≥ 14000 ≥ 12000	81.7	63.6 85.7	34.2 36.3	84.5	34.7 56.7	84.7	84.7	84.7 86.7	84.7 86.7	84.7 86.8	84.7	84.7 86.8	84.7 86.5	84,7 86.8	84.7	84.7
≥ 10000	85.3 86.5	68.6	88.0	39.5	88.5	88.5	88.5	88.5	88.5	88,6 89,8	88.6 89.8	88.6 89.8	88.6 59.8	89.8	89.8	88.6
≥ 8000 ≥ 7000	87.6 88.5	59.7 90.7	90.3 51.2	91.6	90.8	90,9 91,8	90,9	90,9 91,8	90.9 91.8	90.9	90.9	90.9	91.9	90,9	90.9	90.9
≥ 6000 ≥ 5000	91.7	91,8	94.4	94.5	92.9	93.C	93.0	93.0	93.0	95.1	93,0	93.0 95.1	95.1	93.0	93.0	93.0
≥ 4500 ≥ 4000	92.2 93.1	94.4	95.9	96.3	95.5	95.6 96.5	95.6	95.6	95.6	95,6	95.6	95.6	95.6 96.6	95,6 96.6	95.6 96.6	95.6
≥ 3500	93.6	95.9		96.9	97.1 97.9	97.2 98.0	97.3 98.1	98.2	98.2	97.3 98.2	97.3 98.2	97.3 98.2	97.3 98.2	97,3 98,2	97.3 98.2	97.3
≥ 2500 ≥ 2000 ≥ 1800	94.2	96.8 97.3		98.0	98.2 98.7	98.3	98.5	98.6	98.6	98,6	98.6 99.2	98.6		99.6	98.6	98.6
≥ 1800 ≥ 1500 ≥ 1200	94.9	97.4 97.5	0.0	98.5	98.8	98.9 99.0 99.1	99.1 99.3	99,3	99.5	99.3 99.5	99.3 99.5	99.3 99.5	99.5	99.5	99.3 99.5	99.3 99.5
≥ 100°) ≥ 900	94.9	97.6	98.5	98.8 98.9	99.0 99.2 99.2	99.3	99.5 99.5	99,5 99,7 99,7	99.7	99.8		99.8		99,6 99,8	99.8	99.8
≥ 800	94.9	97.6	98.6	99.0	99.3	99.3	99.6	99.8	99.8	99.8 99.8 99.9	99.8	99.8 99.8 99.9	99.9	99.9	99.9	99.9
≥ 600	94.9	97.6	98.6	99.0	99.3	99.3	99.6	99.8	99.8	99,9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	94.9	97.6	98.6	99.0	99.3	99.4	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	94.9	97,6	98.0	99.0	99.3	99.4	99.6	99.8	99.9	99,9	99.9	99.9	100.0	100.0	100.0	100.0
2 0	94.9				99.3	99.4	99.6		99.9			99.9	100.0	100.0		100.C

TOTAL NUMBER OF OBSERVATIONS

2409

USAF ETAC 11.64 0-14-5 (OL A) MENIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING PRANCH USAF ETAC AIR MEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHOENIX 41=45.51=71

<u>DEC</u>

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING							VIS	BILITY ST	ATUTE MILI	ES						
FEET	≥10	≥6	≥ 5	≥4	≥ 3	≥2,	≥ 2	≥١	≥1.	<b>≥</b> 1	≥ '•	≥'•	≥ ,	≥5 16	۷.	≥0
NO CEILING ≥ 20000	77.0	66.9 79.4	57.2 79.7	67.5 8C.1	67.6 Bo.1	67.6 80.1	67.5 80.1	67.6 80.1	67.6	67,6 80.1	67.6 80.1	67.6 80.1	67.6 80.1	67.6 80.1	57.6 80.1	67.6 80.1
≥ 18000 ≥ 16000	78.0 79.7	80.4 82.0	82.4	81,1 82.7	81.2 92.8	81.2 82.8	81.2 82.8	81.2 82.8	81.2	81.2 82.8	81.2 82.8	81.2 82.9	81.2 82.8	81.2 82.8	81.2 82.8	81.2 82.8
≥ 14000 ≥ 12000	81.6 83.4	84.C 85.9	84.4	84.7 86.6	84.8	84.8	84.8	84.5	84.8 86.7	84.8	84.8 86.7	84.8 86.7	84.8 86.7	84,8	84.8	84.8 85.7
≥ 9000	85.0 86.3	86.9	37.9 39.3	88.2	88.4	80.4	88,4	88.4	88.4 69.8	88,4 39,8	88.4 89.8	88.4	88.4	88,4 89.8	88.4	88.4 89.8
≥ 8000 ≥ 7000	87.4	89.9 91.0	91.5	90.7		90.8	92.0	90,8	90.8			90.8	90.8 92.0	90.8	92.0	90.8
≥ 6000 ≥ 5000	49.7 91.6	92.3	92.7	93.1 95.0	93.2	93.2	93,2	93.2	93.2 95.2	93.2	93.2 95.2	93.2	93.2	93.2	95.2	93.2 95.2
≥ 4500 ≥ 4600	92.1	94.7	95.2 56.3	95.5		95.6	95,7 96,8	95.7 96.8	95.7 96.8	95,7 96.8	96.8		95.7	95.7	95,7 96.8	95.7 96.8
± 3560 ≥ 3000	93.9	96.6	97.2 98.2	98.5	98.7	97.7 98.7	97,8 98,8	97 • 8 98 • 8	98.9	97.8 98.8	98.8	98.8	97.8 98.8	98.8	98.8	97.8 98.8 99.0
2 2500 2 2000 2 1806	94.7 94.8 94.9	97.7 97.8 97.9	98.3 98.4	98.3	99.0	99.c	95,9 99,1	98,9 99,2	99.0	99.3	99.3	99.3	99.3	95.3	99.3	99.0 99.3
≥ 1506	94.9	97.9	98.5	98.0	99.2	99.1 99.2 99.2	99.2 99.3	99.3	99.3 99.4	99,5	99.3	99.5	99.5	99.5	39,5	99.5
2 1000	94.9	98.0	98.5	99.0	99.3	99.3	99.5 99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.0	99.6	99.6
≥ 800	94.9	98.0	98.6	,		99.5	99.6	99.7	99.6	99.8	99°8	99.8	99.8	99 8 99 9	99.8	99.8 99.9
> 600	94.9	98.0	98.7	99.1	99.5	99.5	99,7	99.8	99,5	99.9		99,9		99.9	99.9	99.9
≥ 400	95.0	90.0	28.7	99 <u>1</u>	99.5	99.5	77,8	99.9	100.0	LOU O	100.0	100.0	100.0	100.0	ro.c	100 0 100 0
2 200	95.0	98.0	93.7	99.1	99.5	99,6	99.8	99.9	100.0	100.0	100.0	100.6	100.0	100.0	150.0	200.0
ž 6	95.0			99.1							100.0					100.0

TOTAL NUMBER OF OBSERVATIONS

3413

USAF ETAC 10.04 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING - KANCH USAF ETAC AIR MEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23111

LUKE AFB ARIZONA/PHOENIX

41-45,51-71

OFC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	·						VIS	IBILITY (ST	ATUTE MIL	ES						
	≥10	≥6	≥ 5	≥ 4	≥3	≥2 2	≥ ?	≥1′2	ړ۱≤	≥1	≥ '₄	≥′•	≥ .	≥5 16	≥ ₄	≥0
NO CEILING ≥ 20000	72.5	74.5	74.0 83.1	74.8	74.8	74.8	74.8	74,8 83.3	74.8	74.8 83.3		74.8 83.3	74.8	74.8	74.8	74,8
≥ 18000	41.7 52.7	83.0	84.1	84.2	84.2		84.2	84,2	84.2 85.2	84.2	84.2 85.2	84.2	83.3	84.2	84.2	84.2
≥ 14000 ≥ 12000	54.1 85.7	85.3	88.2	86.7	88.3	86.7 88.3	83.3	86.7	86.7	86.7	85.7	86.7	85.2 86.7	85.2	86.7	85.7
≥ 10000 ≥ 9000	87.1 87.8	89.3 90.0	39.5	89.7	89.7	89.7 90.5	89.7 90.6	89.7 90.6	89.7	89,7	88.3	88.3	89.7	88.3	88.3	89.7
≥ 8000 ≥ 7000	99.3	91.5	93.3	92.0	92.0	92.0		92.0	92.0		90.6	90.6	90.6	92.0	90.6	90.6
≥ 6000 ≥ 5000	93.2	94.4	94.7	94.9	94.9	95.0		95.0 96.3	95.0		93.5	93.5	95.0	95.0	93.5	93.5
≥ 4500 ≥ 4000	73.5	96.4	96.7	96.9	97.0 97.5	97.0 97.6		97.1	97.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3 97.1
≥ 3500 ≥ 3000	94.0	97.4	97.8	98.0	96.0	98.1	98,2	98,2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 2500 ≥ 2000	95.5	98.5	98.9	99.1	99.2	99.3	99.3	99.0	99.0	99.0	99.0	99.3	99.0	99.3	99.0	99.0
≥ 1800 ≥ 1500	95.6	98.6	99.0	99.3	99.3	99.4	99.5	99,5	99.5	99.5	99.5	99.4	99.4	99,5	99.4	99.4
≥ 1200 ≥ 1000	95.7 95.8	98.8 99.8	99.2	99.5	99.6	99.7	99.5	99,5	99.7	99.5	99.5	99.5 99.8	99.5	99.5	99.3	99.8
≥ 900 ≥ 800	95.8	50.B 98.8	99.3	99.5	99.6 99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700 ≥ 600	95.8	98.9	99.3	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8		97.8	99.8
	95.0	98.9	99.3	99.6	99.7	99.8	99.9	99,8	99.8	99.9	99.9	99.9	99,9	99.9	99.9	99.9
≥ 300	95.8	98.9	99.3	99.5	99.7	99.8	77.4	00 • 01	99.91	.00 • CII	.00 - 01	oo. ch	00.01	00.00	00.01	00.0
≥ 100	95.5	90,9	99.3	99,6	99.7	99.8	99.91 99.91 99.91	00.01	00 01	00.01	00.01	00.01	00.01	00.01	00.01	00.0

TOTAL NUMBER OF OBSEPVATIONS

2410

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING "KANCH USAF ETAC AIR REATHER SERVICE/"AC

## CEILING VERSUS VISIBILITY

23111 LUKE AFB ARIZONA/PHUENIX 43-45,51-71

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING							ViS	BILITY (ST.	ATUTE /AIL	ESI						
FEET	≥ 10	≥6	≥5	≥4	≥3	≥2 ′/	≥ 2	≥1'2	≥114	≥1	≥ 14	≥ >₀	≥ יי	≥ 5-16	≥ ′₄	≥0
NO CEILING ≥ 20000	76.0 82.2	77.5 84.2	77.5	77,3 84.5	77.8 84.5	77.8 34.5	77.8 84.5	77,6 84.5	77.8 84.5	77,8 84.5						
≥ 18000 ≥ 16000	82.7 83.7	84.7 95.6	84.9 85.9	85.0 86.0	85.0 86.0	85.0 86.0	85.0 86.0	85.0 86.0	85,0 86.0	85.0 86.0	85.0 86.0	85.0 86.0	85.0 86.0	85.0 86.0	85.0 86.0	83.0 86.0
≥ 14000 ≥ 12000	87.3	87.4 89.2	87.6 89.4	87.7 64.5	87.7 89.5	87.7	87.7	87.7	87.7	87.7	87.7 89.5	87.7 89.5	87.7 89.5	87.7	87.7 89.5	87.7 89.5
≥ 10000 ≥ 9000	69.0 69.6	90.9	91.1 91.8	91.2	91.2	91.2	91.2	91.9	91.9	91.9	91.2	91.2	91.2	91.2	91.9	91.2
≥ 8000 ≥ 7000	90.5	92.5	92.7 93.8	92.3	92.8	92.8	93.9	92.9	92.8	92.8	92,8	92.8	92.8 93.9	92.8	92.8	92.8
≥ 6000 ≥ 5000	53.2 94.3 95.0	95.2 96.4 97.1	95.4 96.6 97.3	95.6	95.6 96.7 97.3	95.6 96.6 97.5	95.7 96.8 97.6	95.7 96.8 97.6	95.7 96.8 97.6	95,7 96,8 97.6	95.7 96.8 97.6	95.7 96.8 97.6	95.7 96.8	95.7	95.7 96.8 97.6	96.8
≥ 4000 ≥ 3500	95.3	97.7	97.9	97.5 98.1 98.5	98.1 98.5	97.5 98.1 96.6	98.2	97.6 98.7 98.7	98.2	98.2	97.6 98.2 98.7	98.2	97.6 98.2 98.7	97.6 98.2 98.7	97.6 98.2 98.7	98.2
≥ 3000	95.9 96.1	99.4	98.6 98.9	98.3	98.8	98.8	98.9	98.9	98.9 99.2	98.9	98.9	98.9 99.2	98.9	98.9 99.2	96,9	98.9
≥ 2000	96.3	98.8		99.3	99.3	99.3	99.4	99.4 99.4	99.4 99.4	99.4 99.4		99.4	99.4	99.4	99.4	99.4
≥ 1500	96.4	98.9	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5 99.8
≥ 1000	96.6	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	95.8 99.8
≥ 800	90.6	99.2	99.5	99.8	99.8	99.8	99,9	99,9	99.9	99,9		99.9	99.9	99,9	99.9	99.9
≥ 600	96.6	39.2	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99,9	99,9	99.9
≥ 400 ≥ 300 ≥ 200	96.6	99.2	99.5	99.8	99.8	99.8	99.9	1. 7	99.9	99.9	99,9	99.9	99.9	99.9	99.9	99.9
≥ 100 ≥ 0	96.6 96.6		99.6	99.8 99.8	99.8	99,9	100.0	100.0		100,0	100.0 100.0				100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC JUL64 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### SKY COVER SUMMARY

Due to the reporting of total cloud amount in GWC tapes for airways hourly observations Jan 71 and later, clear, scattered, broken, overcast, partial and obscured are converted to 0, 3, 9, 10, 9 and 10 tenths. The sky cover summary for this station is limited to the period of record through Dec 70.

#### PART D

#### SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

- 1. By month and annual all hours and all years combined.
- 2. By month by standard 3-hour groups.
- NOTE: #1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.
- NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

OKTAS	*	TENTHS
0 1		0 1
2		3
4		5 6
5 6		8
7 8 (or obs	cured)	9 10

SKY COVER

LUKE AFB ARIZONA/PHOENIX

46,51-70

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PER	CENTAGE F	REQUENCY	OF TENTHS	OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO OF
MONIA	(LST)	0	1	2	3	4	5	6	7	8	Ŷ	10	SKY COVER	OBS
JAN	ALL	40,2	4.9	4,9	4.4	3.3	2.6	3,4	4.1	5,5	3,8	22.9	4.1	1471
FEB		44,6	4.9	5.0	4.6	3,3	2.6	3,2	3,8	5,0	3,8	19.1	3.7	1322
MAR		41.6	5.1	5.6	4,5	3,8	2,9	3,5	4,1	5,4	4.0	19.3	3.8	1412
APR		51,6	5.4	5.3	4.7	3.8	2.7	3,4	3,9	4.1	3.2	12.0	2.9	1473
MAY		57,4	5,2	4.9	4.7	3,3	2.8	2,8	3,6	4,2	3.1	6,9	2.3	1561
JUN		65,8	5,9	4,9	3,6	3,2	2,2	2.7	2,9	3.0	1.8	4.1	1.7	1511
JUL		28,0	9.1	8,5	7.0	6,3	4.7	4.5	6.1	7.4	4.7	13.7	4.0	1561
AUG		31,9	8.3	7'.7	7.1	5.6	4.6	4.3	5,6	6.8	4.6	13.6	3.9	1560
SEP		60',9	7.5	5,3	4,2	3,3	2,4	2,6	2,5	3,0	2,3	6,2	2.0	1511
DCT		59,0	5,6	5,3	4.2	3,3	2,5	2,8	3,3	3,5	3.1	7'04	2.2	1517
NOV		50,9	5.6	4,5	3.8	3.4	2.6	2,8	3,9	4,9	401	13.6	3.1	1474
DEC		46,4	5,1	4,8	3,8	3,3	2,4	3,1	3,6	4,7	3,7	19.1	3.6	1487
10	TALS	48,2	6.1	5.6	4.7	3.8	2,9	3,3	4.0	4.8	3,5	13.2	3.1	17865

JUL 64 0.9.5 (OL!) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

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SKY COVER

23111 LUKE AFB ARIZGNA/PHUENIX

46,52070

PERIOD

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PER	CENTAGE !	REQUENCY	OF TENTHS	OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO OF
MONIN	(L S 1 )	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS
JAN	00-02	51.9	3,6	5,0	4.7	3.5	2.2	3,0	3.0	3,5	1.9	17.7	3,1	184
	03-05	53,1	3,1	3.9	3,8	2,8	1,9	3,2	3,8	3,5	1.9	19.0	3.2	182
	06-08	41,3	4,6	5,4	4,4	3.1	2.5	3,4	3,9	5,0	4.7	21.8	4.0	183
	09-11	34,2	5,7	4,3	3,6	2,7	2,2	3,0	4,2	7.0	5.1	27.9	4.8	184
	12-14	31,2	5,6	4,3	3,6	2,9	3,5	3,8	4,6	7.0	4.5	28,9	5.0	183
	15-17	27.7	6,5	4.7	4,9	4.2	3.1	2,8	4,3	7.0	6.1	28.6	5.1	184
	18-20	35,7	5.9	5,8	4,9	3,4	2.2	3,5	4.8	7', 2	4.0	22.6	4.3	184
······································	21-23	46,1	4.1	5,8	5,2	3,5	3,3	4,3	4,5	4,1	2.1	17.c	3.4	184
													And the same of th	
10	TALS	40.2	4,9	4,9	4,6		2,6	3,4	4,1	5,5	3.8	22.9	4.1	1471

FORM JUL 44 0.9.5 (OL.I) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE USAFETAC

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SKY COVER

23111 STATION

LUKE AFB ARIZONA/PHOENIX

46,52-70

PERIOD

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PER	CENTAGE F	REQUENCY	OF TENTHS	OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO OF
	(LST)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS
FEB	00+02	55.3	3.8	4:7	4.1	2.1	2.2	2.2	3,3	4.4	1.8	16.2	2,9	16
	03-05	57',8	3.1	3.0	3.5	3.1	2.2	3,1	3.6	3,9	1,5	15,1	2.8	16
	06-08	46.7	5.8	4.5	4.9	2.8	2.1	3.7	2.9	467	3,8	18.2	3,5	16
	09=11	41.9	5.0	5.1	3.7	2.9	2.9	3,1	3.7	5,7	5,1	20,9	4.0	16
	12-14	36.4	5.4	4.7	4.8	3.8	3.0	3,5	4.8	6,5	5,6	21.6	.4.3	16
	15-17	31.6	5.6	6,5	5.4	4.2	3,3	3,3	5,4	6,5	5,4	22.8	4,5	16
	18-20	37.5	5.9	5,9	5.9	3.9	3.2	3.5	4.2	4.8	4,6	20.6	4:0	16
	21-23	49.6	4.4	5,6	4.5	3,7	2.1	3,1	2,7	3,7	2,9	17,7	3,2	16
10	TALS	44.6	4.9	5.0	4.6	3.3	2.6	3,2	3,8	5.0	3,8	19.1	3.7	132

FORM 0-9-5 (OLI) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE USAFETAC

1

SKY COVER

23111 STATION

LUKE AFB ARIZONA/PHOENIX

52470

PERIOD

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

монтн	HOURS			PER	CENTAGE F	REQUENCY	OF TENTHS	OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO OF
MONIH	(L S T )	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	
MAR	00-02	53,6	4.1	5.0	4,5	2'.9	2.1	2,7	4.1	4,6	2.0	14,3	2,9	176
	03+05	54.8	2,8	5.8	4.3	2,8	2,4	3.0	3.1	3,4	1.6	16.0	2.9	176
<del></del>	06-08	41.3	6,6	6,1	4,0	3,1	1.9	3,3	4,5	5,5	4.1	19,5	3.0	176
	09-11	36.6	5.6	5.2	3.9	3.7	3.6	3.1	2.9	6,5	4.7	22.0	4.1	176
	12-14	31.1	6,2	5,8	4,7	4,1	3,7	4,0	4,3	8,3	6,5	21,3	4.6	178
	15-17	26.1	5,4	6,5	5,4	5,3	3.8	4,1	4,5	6,9	6.4	23,7	4.8	176
	18-20	36.0	5,8	5.4	5.1	401	2,9	3.1	5,7	6.2	3.9	21.7	4.2	176
	21-23	49,1	4,2	4.9	4,3	4,0	2,7	4,6	3,9	4.0	2,5	15,9	3.2	176
					~~~					***************************************				
70	TALS	41.6	5.1	5.6	4.5	3',8	2.9	3.5	4.1	5.7	4.0	19.3	3.8	1412

FORM 0.9.5 (OLI) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE USAFETAC

SKY COVER

23111 STATION

LUKE AFB ARIZONA/PHDENIX
STATION NAME

46,51470

APR

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PER	CENTAGE F	REQUENCY	OF TENTHS	OF TOTAL	SKY COVER				MEAN	TOTAL NO OF
MONTH	(LST)	0	1	2	3	A	5	6	7	8	9	10	SKY COVER	OBS
APR	00+02	63.6	4.0	5.0	4,3	2.5	1,8	2,3	2.9	3.0	1,6	8.7	2.1	184
	03-05	61.7	4.5	5,4	4.4	3.0	1.7	2,3	3,5	2,5	1,6	9.4	2'.2	184
	06+08	51.7	5,3	5,1	4,7	4.0	2,4	3,3	3,7	4.1	3,6	12.2	2',9	184
	09-11	49.1	6.0	5,3	3,7	3,9	2,8	3,4	3,6	4,1	4,5	13,7	3.1	184
	12-14	42.8	7.1	4.6	5.2	3.9	4.0	3,2	5,0	5,6	4,5	14.2	3,5	184
	15+17	39.6	6,5	5,6	4.5	5,3	3.7	4,5	4,9	5,9	4,3	15,2	3'.7	184
	18-20	43,6	5,8	6.7	6.0	4,8	2,8	4,5	3,7	5.1	3.7	13.3	3.3	184
	21-23	60,6	3,8	4:7	4,5	2',7	2,6	4,0	4,0	2,5	1,6	9,2	2,3	184
TO	DTALS	51.6	5,4	5,3	4.7	3.8	2.7	3,4	3,9	4.1	3.2	12.0	2,9	1

FORM (0.9.5 (OLI) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE USAFETAC

SKY COVER

LUKE AFB ARIZONA/PHOENIX
STATION NAME

46,51-70

PERIOD

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PER	CENTAGE F	REQUENCY	OF TENTHS	OF TOTAL	SKY COVER				MEAN	TOTAL NO. OF
MO14111	(LST)	0	1	2	3	4	5	6	7	8	•	10	SKY COVER	OBS
MAY	00+02	70,9	3.5	4,3	3.9	2,5	1.9	1,6	2.2	2,6	1,6	5.0	1,5	195
	03-05	56.9	4.3	5,3	4,4	2'.9	1.9	1,9	2.6	3,4	1,6	4.7	1:7	195
	06=08	57,7	5,0	4,6	4.4	2,6	2.5	3,3	3,5	5,2	3,6	7,8	2.5	195
	09-11	56,6	7.7	4.0	3.7	2'.7	2,7	3.2	3,4	4'.6	3.4	8.0	2.4	195
<del></del>	12-14	50,8	8,9	5.7	4.4	3,3	2,5	2,9	3,6	5,5	3,8	8.7	2:7	195
	15-17	40,9	8.1	5.7	5,3	4,2	3,9	3,5	4.6	3,9	4:1	9.5	2.5	193
	18-20	48,5	7.4	5:.0	5.4	4,9	3,9	3,1	5.0	5,5	4.6	6.7	2.8	195
	21-23	61,0	4,9	4.5	5.9	3,4	2,9	3.2	3,9	3.0	2.2	5.1	2.0	195
												<b>2</b>		
10	TALS	57,4	6.2	4:9	4.7	3,2	2,8	2,8	3.6	4.2	3.1	6,9	2.3	1561

FORM 0.9-5 (OLI) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE USAFETAC

SKY COVER

LUKE AFB ARIZONA/PHOENIX
STATION NAME

46,51-70 PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MINON	HOURS			PER	CENTAGE F	REQUENCY	OF TENTHS	OF TOTAL	SKY COVER				MEAN TENTHS OF	JATOT 10 ON
	(L S.T)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OB3
JUN	00#02	74.3	4.1	3,5	3.1	2,2	1.5	2,1	1.9	2.6	.8	3.8	1.3	188
	03-05	70,7	4.6	5.0	3,0	3,3	1,7	2,2	2,4	2,3	1,3	3,4	1.4	189
	06=08	63,1	5,5	5,6	4,3	3,9	2,1	2.9	3.5	2,5	2,3	4.4	1.8	189
	09-11	65,5	6,9	4.6	2.9	3,5	1.9	2.2	3.5	2,3	2.0	4,3	1.7	189
·•	12-14	62.6	7.7	5.7	3,4	3,0	3.0	3,2	3.0	3.1	1.6	3,7	167	188
	15-17	59,7	7.8	5.6	4.2	3,5	2,5	3,2	3,8	3.8	2.3	3,7	1.9	189
	18+20	61.3	6.0	5,3	3,5	3,4	3,1	2.8	2,7	4,8	2,5	4.6	2.0	189
	21-23	68,5	4,6	4.0	4,2	2,9	1,9	3,0	2,2	2;9	1,3	4,6	1.6	189
τo	OTALS	65.1	5.9	4,9	3,6	3,2	2,2	2.7	2,9	3.0	1.8	4.1	1.7	1511

FORM 0.9.5 (OLI) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE USAFETAC

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SKY COVER

23111 LUKE AFB ARIZONA/PHOENIX

46,51-70

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PE	RCENTAGE F	REQUENCY	OF TENTHS	OF TOTAL	SKY COYER				MEAN TENTHS OF	TOTAL NO OF
MONIH	(LST)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	
JUL	00-02	36,7	5,5	6,7	5,2	5,4	3.9	3,1	5,4	6,8	2.6	18,7	4.0	194
	03-05	32,0	7.0	8,5	5,2	5,3	4.3	4,6	5.9	7,5	4,2	15.3	4.0	194
	06-08	20.7	9,8	7',4	7.1	6.5	4,3	5,3	6,2	8,6	7,3	16,9	4.7	195
	09-11	29.6	9.5	7.3	6.0	6.7	5.2	3.9	5.9	8,5	_5.8_	11.6	4.0	195
	12-14	30,4	11,5	10,3	8,5	7,0	5,7	4,3	5,9	6,1	3,5	6,8	3.3	195
	15-17	23,8	13,2	12,1	10,5	8,1	6,3	4,3	5,8	6,4	3.8	5,5	3.4	195
	18-20	55.0	9.3	9,0	7.3	6.4	4,6	4,8	8,2	8,2	6,3	14,8	4,5	195
	21-23	29,4	6.8	6.9	6.0	5,0	3.6	5,9	5,5	7,2	3.9	19.8	4.4	195
10	TALS	28.0	9.1	8,5	7.0	6,3	4.7	4,5	6.1	7,4	4.7		1	1561

FORM 0.9-5 (OLI) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE USAFETAC

C

SKY COVER

LUKE AFB ARIZONA/PHOENIX

46,51-70

PERIOD

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PER	CENTAGE F	REQUENCY	OF TENTHS	OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO OF
	(LST)	0	1	2	3 1	4	5	6	7	8	9	10	SKY COVER	
AUG	00+02	38.7	4.9	6.0	6.0	4.7	3,3	3.5	5,5	5,7	2,6	19.0	3,9	194
	03-05	38.1	5.5	6,7	6.6	5,8	3.2	5.0	4.3	5,3	3.0	16.5	3.7	195
	06-08	28.4	7.6	7.4	6.7	5.9	4.2	3,3	6,2	8,5	6,4	15,5	4,3	194
	09-11	34,6	9.1	6,6	6.9	5.5	4.5	3,9	5.2	7,8	4.9	11.0	3.6	19:
	12-14	32,4	12,2	9,5	8.6	5,4	5,6	4,6	5,7	5,3	4,1	6,5	3,2	19:
	15-17	25.1	13.0	11.0	9.6	7.3	6.5	5,3	5,3	6.1	5.1	5',7	3,5	19
	18-20	23,8	8,7	7,6	7.1	4.7	4,9	4,1	7,2	9,2	7,6	15,2	4.6	19:
	21=23	33,9	5,7	6,5	5.3	5,1	4.2	5,0	5,3	6,3	3,3	19.3	4.2	19
												<b>-</b>		
					<u> </u>									
												· <del></del> -		
10	)TALS	31.9	8.3	7'.7	7.1	5.6	4.6	4.3	5.6	6,8	4,6	13,6	3.9	156

FORM 0 9-5 (OL1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE USAFETAC

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SKY COVER

LUKE AFB ARIZONA/PHOENIX

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY UBSERVATIONS)

	POURS			PER	CENTAGE F	REQUENCY	OF TENTHS	OF TOTAL	SKY COVEP				MEAN TENTHS OF	TOTAL NO OF
HINOM	(151)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	
SEP	00-02	68.4	5.6	4.7	3.0	3.1	1.6	1.9	2.1	2,1	1.2	6,5	1,6	188
	03=05	66,2	5.5	5,2	4,3	2,3	1.5	2,4	1,5	1.7	1.0	6,3	1.6	189
	06=03	55,6	8.2	5,9	5,6	3,7	3,1	2,8	3.1	3,6	3.0	3,6	2.2	188
	09-11	61.3	7.8.	5.0	3.2	3.1	2.4	2.6	3.5	3.5	2.0	5.5	2.0	189
	12-14	58,5	9,3	5,0	4,4	3,6	2,4	2,8	3.1	2,7	2,6	5,5	2.0	188
	15-17	52,2	11.1	6,3	5.2	4,3	3.7	2,5	2,8	3,8	2,6	5,4	2,2	189
	18-20	56,5	7,8	5,4	4.1	4,0	2,3	2,5	2,9	4,3	3.1	7.0	2.3	189
	21-23	66,2	4,4	4,8	3,6	2,1	1,9	3,1	2,1	2,3	2,1	7,4	1.9	189
										<u>-</u>				
TÇ	OTALS	60.9	7.5	5,3	4,2	3.3	2.4	2.6	2.5	3.0	2.3	6.2	2.0	1511

JUL 44 0-9-5 (OLI) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SKY COVER

23111 LUKE AFB ARIZONA/PHOENIX

46,51-70

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PER	CENTAGE F	REQUENCY	OF TENTHS	OF TOTAL	SKY COVER				MEAN	TOTAL NO OF
MONTH	(LST)	0	,	2	3	4	5	6	,	8	9	10	SKY COVER	OBS
OCT	00-02	70.7	3,5	4.6	2.5	2.1	2.2	2.2	2.2	2,6	1.0	6,4	1.6	188
	03=05	69,8	4.0	3,7	3,1	2,6	2.1	2,5	2.7	2,0	1,2	6.2	1,6	188
	06=08	56.3	5,9	4,5	4,4	3,2	2.6	3,4	3,5	4,4	3.8	7,9	2,5	189
	09-11	55.4	5.8	5,2	4.2	2.5	3.1	2.8	4,3	3,7	4,6	8,4	2.6	189
	12-14	50.9	7.2	6,1	5,7	3,8	2.9	3.0	3,9	4,7	5.0	6.8	2,6	190
	15-17	44.1	8,0	6,9	5.0	4,5	3.2	2,8	3,5	4,7	4,6	8,6	2.8	190
	18=20	55,4	0.3	5,8	4,5	3.9	2.6	3,1	3,3	4,2	2,7	8.1	2,4	190
	21-23	65,5	4.1	5,3	4.5	3.5	1.6	2,5	3.0	1,8	1,5	6,8	1.8	189
				-										
												<del></del>		
7(	ota s	59.0	5.6	5,3	4.2	3,3	2.5	2,8	3.3	3,5	3.1	7,4	2,2	1517

ORM J.9.5 (OL!) PR. VIOUS EDITIONS OF THIS FORM ARE OBSOLETE USA"ETAC

SKY COVER

23111 LUKE AFB ARIZONA/PHDENIX
STATION NAME

46,51+70

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PER	CENTAGE F	REQUENCY	OF TENTHS	OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO OF
MONIN	(LST)	0	1	2	3	4	5	ŧ	7	G	ş	10	SKY COYEP	
NOV	00-02	62',7	3,5	4.2	3,3	3,0	1.7	2,6	3.1	3,4	1,5	11.1	2,3	194
	03-05	62.9	3,9	3,7	2.3	3.2	1.8	2,7	2.9	3,1	1,7	11.8	2,3	184
	06-08	49,9	6.1	5,2	3,6	3,1	2.1	2,7	3,6	4,8	5.1	13,8	3,1	184
	09-11	44.5	6,7	4.3	3.3	4,3	3.1	2,4	4,4	5,5	6.0	15,6	3.6	184
	12-14	42.9	5,9	4.0	4,4	4,1	3,6	2,5	3,9	7.2	5,3	16.3	3,7	184
	15-17	39.6	<b>8,4</b>	5.0	4,5	2,8	3.0	2,7	4,3	7'.0	6,9	15.9	3.8	184
	18-20	47.6	5,9	4.8	4.6	3,5	2,4	3,3	4,8	5,0	3,7	14,4	3.3	184
	21-23	56,7	4,0	5,4	4,1	3,4	2,7	3,5	4.0	3,5	2.8	9,9	2.6	184
													<u> </u>	
τo	TALS	50.9	5,6	4,6	3.8	3.4	2.6	2,8	3,9	4,9	4.1	13.6	3.1	1474

FORM 0-9-5 (OL1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE USAFETAC

C

SKY COVER

23111 LUKE AFB ARIZONA/PHOENIX
STATION STATION NAME

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

нтиом	HOURS			PER	CENTAGE F	REQUENCY	OF TENTHS	OF TOTAL	SKY COVER				MEAN SENTHS OF	TOTAL NO OF
MONIN	(1.57)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS
DEC	00-02	56.8	4.0	4.5	3,5	3.1	1.9	2.5	2.8	2,8	2.8	15.1	2.8	186
	09-05	60'.0	2.9	4,2	2.6	3.4	1.8	1,9	2.4	2,9	1.8	16.0	20.	186
	06=08	47.4	4.8	5,1	4.1	3.4	1,8	3,5	3.6	4',8	4.3	17.2	3,4	185
	09-11	40,3	6.0	4,5	4,C	3,3	2,3	3,2	3.8	5,6	5,8	21,1	4.1	186
	12-14	36,7	6,3	4,4	3,9	3.7	3.0	3,0	4.5	6,2	5,4	22,8	4,3	186
	15-17	34,5	5,6	5,4	3,9	3,4	2,9	3,5	5.1	5,6	5,7	24.4	4.5	185
	18-20	42,7	5,3	6.0	4,5	3,5	2,4	3,5	3,4	5,9	2.0	19,8	3.7	186
	21=23	53.0	4.8	4.1	3.8	2.6	2,8	3,6	2,9	4,1	1.7	16.7	3.0	185
				<b>APRIL 2017</b>										
<b>01</b>	TALS	46,4	5.1!	4.8	3.8	3.3	2.4	3,1	3.6	4.7	3,7	19.1	3.6	1487

FORM JUL 64 0.9-5 (OL1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE USAFETAC

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DATA PROCESSING DIVISION ETAC/USAF AIR WEATHER SERVICE (MAC) ASHEVILLE, NORTH CAROLINA

#### PART E

### PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

- 1. Cumulative percentage frequency of occurrence derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenhelt increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperature
  - b. Daily minimum temperature
  - c. Daily mean temperature
- 2. Extreme values derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
  - a. Extreme maximum temperaturo
- NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
- b. Extreme minimum temperature
- 3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.

  This tabulation is derived from hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
  - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares  $(\sum X^2)$ , sums of values  $(\sum X)$ , means  $(\overline{X})$ , and standard deviations  $(\sigma x)$ . The number of observations used in the computations for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

- 4. Means and standard deviations These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
  - a. Dry-bulb temperature
  - b. Wet-bulb temperature
  - c. Dew-point temperature
- 5. Cumulative percentage frequency of occurrence of relative humidity This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
  - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
  - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

DATA PROCESSING BRANCH
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STATION NAME

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**DAILY TEMPERATURES** 

41-46, 51-72 YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

MUMIXAM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	NUC	JUL	AUG	SEP	oct	NOV	DEC	ANNUAL
115						1.2	1,2	1	i				2
110		1			. 6	10.9	15.8	4.0	9				2.7
105			[		3.5	32.6	56.6	30.7	17.1	. 1			11,9
100				. 6	15.7	61.9	88.0	72.5	45,6	2,4	• •		24,2
95	, +	-	. 1	8.3		81,1	97.1	91.8	70.4	15.9			34.5
90	r -  -	5	2.6	22.2	67.1	93.1	99.0	90.3	86.8	40.1	. 3		43.1
85	7.5	2,2		46,5		93.1	99,6	99,4	95,6	65.9	7.5	•1	51.5
100 95 90 85 90 75 70	1.3	ŷ, ž	31.4	AB. 1	92.3	99,5	100.0	99.8	98.3	81.9	26.4	• • •	59.7
78	1,5 8,1	24.5	31.4 50.6	08,1 80,9 90,9	92.3 97.7	100.0	20010	99.8 99.9	99.7	91.6	50.1	11,9	68.4
70	28.9	48.5	70.5	2000	90,4	10010		100.0	100.0	91.9	7101	32.6	78,5
70	55.5	70.0	84.1	97,2	100 0				20000	98.8	87,6	32.00	87.7
65 60	2212	71.0 87.2 96.8	0704	99.5	100.0		<del></del>			99.6	0100	57.1 80.8	
90	76,2	0/02	95,8	77.0							96.3	80.0	94.6
55 50 45	91.9	70.0	99,5	99,9						100.0	99.0	92,2	98.3
20	98,3	99,4		100.0							99.7	98.0	99.6
50 45 40	99,4	100.0									100.0	99.6	99,9
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MEAN	64.9	68.9			92.0	100.9	104.8	101.8	97.8		73.8	65.6	84.5
\$ D	7,281	7,823		8,807	7,916	7.081	5.048	5.100	6.878			7.275	16.029
TOTAL OBS	806	721		794	817	810	806	804	780			806	9490

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STATION NAME

**DAILY TEMPERATURES** 

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

41=46, 51=72 YEARS

MUMINIM

TEM	AP (°F)	JAN	FEB ,	MAR :	APR	MAY	JUN.	JUL	AUG.	SEP	OCT	VOV	DEC	ANNUAL
:	90				<u> </u>		<del></del> i	. 4		<u>i</u>				• (
:	85	· •	~ ·- ·		-		1.5	11.0	3.0	- 1			<del>-</del>	1 . 1
<u>-</u>	80					2	9.4	47.0	30.5	4.5				1 o 7 o
	-90-		•	• -•		2.1	24 4	7 ( 0		3100				17.
-	75 70					<u> </u>	24,4	80.9	74,4	21.0				
-	7.9			<del></del> j	4	9,5	48.9	95.7	93.7	50,6	2,4		<u>.</u>	25,
≥ .	65				2.3	29.5	75.2	99,5			1,3,6	1		33.
	60			1.8	14.1	62.1	94,4	100.0	100.0	93,1	35.9	1 47	<u> </u>	42.
≥	60 25 50 45	1.2 5.7	Ž . l	B⊾8i	41.3	86.0 97.6	99,5			99.1	64.4	9.4	1,0	51.
	50	5.7	15,5		71.8	97.6	100.0			100.0	86.7	27.5	5.3	62,
>	AR.	17.1	36,3	73.8	90.7	99.8					96.8	59.3	18.0	73.
	78	48.5	65.2	5 7 E	99.1	100.0				j	99,6	82,1	46.C	83.
= -	40 35 33 30	3000	9316	0/33	7701	10010					99.9	0691	70,0	95.
<b>=</b>	25	73,7	86.0	7501	100.0						77.7		12.8	720
<b>≧</b>	33	86.1 94.9	92,5	99.0				i				98,2	90.9	97.
<u>≥</u>	30	94,9	98.3	99.9		i					100.0	100.0	97.1	99.
≥	25 20	99.3	100.0	100.0	!	i							99,9	99.
	20	100.0											100.0	100.
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E-manuri N	NEAN !	39.2	42.0	46.6	52.9	61.3	69.5	78.6	77.0	69.3	56.9	45.8	39.5	56.
	S D		4 860	6.059	F 904	4 1 4 5	4.007	4 0 2 9	4 871	6.262	4.427	4 974	5,651	15.07
	:	6.087	0.307	0,000	- 2777	20 Y 20 X	0 6 9 0 /	70721	703/1	SIVOR				
101	AL OBS	806	721	775	794	817	810	806	804	780	806	765	806	949

USAF ETAC JUL 64 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF STAC
AIR WEATHER SERVICE/MAC
23111 LUKE AFB ARIZONA/PHOENIX 41-40, 51-72
STATION NAME

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

MEAN

**DAILY TEMPERATURES** 

100 95 90 85 90 75 70 60 95 95 96 95 96 95 96 95 96 96 97 98 98 98 99 90 90 90 90 90 90 90 90 90	5 8. 2 27. 1 57.	1.00 .5 8.0	1,9	2.4 16.9	1.6 9.5 35.9	7.3 29.1 36.8	1,2 25,8 75,3 95,2	9.3 54.4	, 9 14.7			#	3.7
95 90 95 60 75 70 95 95 38 30 40 90 40 90 35 90 35 90 30 100 40 90 30 100 40 40 90 30 40 40 40 40 40 40 40 40 40 40 40 40 40	5 8. 2 27. 1 57.	1.00		2.4	9.5	29.1 56.8	75.3		14.7			4	3.7
75 70 60 90 38 30 70 48 90 40 93 40 93 30 100 40 100 40 100 40 100 40 100 40 40 40 40 40 40 40 40 40 40 40 40 4	5 8. 2 27. 1 57.	1.0		2.4	9.5	56.8	75.3		14.7				
75 70 65 60 93 38 30 70 45 90 45 90 35 30 100 30 100 30 100	5 8 27 3 27 3 37 4 37 4 37 4 3	1.0		2.4	9.5	56.8	05 2				-	i,	14.5
75 70 65 60 93 38 30 70 45 90 45 90 35 30 100 30 100 30 100	5 8 27 3 27 3 37 4 37 4 37 4 3	1.0		2.4	35.9		7246	89.4	46,4	. 4			25.2
75 70 60 90 38 30 70 48 90 40 98 35 30 100 30 100	5 8 27 3 27 3 37 4 37 4 37 4 3	1.0		16.9		81.0	99.5	98.9	77.7	13.6			34.0
10	5 8 27 3 27 3 37 4 37 4 37 4 3	1.0			66.5	94.4	100 C	99,6	94.4	36.2			43,
A	5 8 27 3 27 3 37 4 37 4 37 4 3	.5 8.0	M - A	44.3	86.2	95.4		100.0	99.1	69.4	4.4		Fla
A	2 27. 1 57.		20.7	44,5 70,7 87,8 97,4	86.2 95.8	100,0		10010	9909	87.5	23.7	1.1	51. 60.
2	1 57.	2 24 2	29.7 58.7	27 8	99.8	2009			300.0	96.2	55.8	9.7	70.
2	210		300	07.0	100 0		+	+	50000	99,1	80.9		82.
2		3/10	80.4	7/17	100.0			4			00 97	36.1 74.3	960
2	2 020	9 62.7	95,7	99,9		+				99.8	95.6	1403	193,
2 1				100.0						100.0	99:2	92,9	98.
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MEAN 52		2.3 55.7	60.6	68.0	76.8	85,4	91.9	89.6	83.7	72.0	60.0	32.7	70.
S D 5.62	55.		6.349		6.391	6,341	4.009	4.081	3,349	6,419	5.971	5.233	15.14
TOTAL OBS 80	3 55 3 0.29		775				806	804		806		806	949

USAF ETAC FORM 0-21.5 (OL. 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH USAF, ETAC AIR WEATHER SERVICE/MAC

### **EXTREME VALUES**

MAXIMUM TEMPERATURE

LUKE AFB ARIZONA/PHOENIX

WHOLE OBGREES FAHRENHEIT

MONTH	JAN.	FEB.	MAR.	APR.	MAY	אטן.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
41								<del></del>				'79	
42	77	77	90	90	106	113	115	110	108	100	67	78	1146
43	60	85	91	102	104	108	114	106	108	98	84	'73	114
44	78	70	81	8.8	9.8	111	109	106	.107	ŧŏo	6 é	774	11
45	77	78	83	·98	98	110	110	108 .110	112	95	89	'76	112
46	78	1	j	98	.99	108	108	.110	.108	99	İ		
51					112	109	112	106	107	99	81	76	
52	75	77	82	94	103	110	112	110	.110	102	8.5	. '77	113
53	81	82	89	.98	.99	112	114	110	108	1:00	88	178	114
34	82	86	86	101	101	115	116	111	108	100	89	'79	110
55	76	81	89	.93	104	134	111	106	110	105	89	81	114
56	82	78	93	.93	108	114	117	.109	109	99	88	78	11.
3.7	71	91	86	93	103	1,17	115	109	108	100	80	779	11.
58	76	81	81	99	111	112	118	110	107	99	85	87	11
59	77	79	36	100	191	114	115	109	108	.98	83	80	11.
60	75	73	94	96	110	118	114	112	105	99	88	'76	12
61	80	81	87	198	.99	115	112	110	100	97	81	75	11:
62	76	81	86	.99	1:00	110	108	.111	.106	96	86	'78	11
6.3	75	88	82	94	103	105	110	106	104	101	93	'79	110
64	72	73	89	194	101	109	112		104	97	81	'70	11
65	78	78	85	97	100	104	112	110	101	94	87	'78	11
66	70	73	90	94	103	110	113		103	52	89	'77	
67	76	82	88	85	103	108	113		103	96	90	.56	
68	74	81	87	-91		114	109	105	107	94	79	'72	
69	74	74	92	95	109	112	117	116	100	98	52	'77	11
70	73	85	84	89	106	115	113	109	107	90	82	.73	11
71	85	81	93	.63	97	110	113	104	106	93	86	'76	11:
72	78	86	9,5	,92	102	116							
MEAN	76.7	80.4	87.6	94,9	103.0	111.6	112.F	109.2	106.8	97.3	85.5	76.6	114.
S D	3,519	4.708	4.104		4.200	3.489	2,786	2,553	2,772		3.630	3,930	2,44
TOTAL OBS.	806	707	775	780	806	870	806	744	780		750	806	937

1210 WS JUL 64 0-88-5 (Det 50)

DATA PROGESSING BRANCH UBAF ETAC ATR WEATHER SERVICE/MAC

### **EXTREME VALUES**

MAXIMUM TEMPERATURE (FROM DAILY OBSERVATIONS)

23111 LUKE AFB ARIZONA/PHOENIX
STATION STATION NAME

41-46, 51-72

# WHOLE DEGREES FAHRENHEIT /BASED ON LESS THAN FULL MONTHS/

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALI MONTHS
46		70 14								ĺ	72 15		MAX TEMP
51				97 14									MAX TEMP
96								109 30					MAX TEMP
67								109 30					MAX TEMP
58					105								MAX TEMP
'72							0_						MAX TEMP
										<u> </u>			
MEAN													
S. D.								· ·		<del>                                     </del>			<del>                                     </del>
TOTAL OBS.		l								T			1

1210 WS 101 64 0-88-5 (Det 50)

DATA PROCESSING BRANCH USAF ETAC ALR WEATHER SERVICE/MAC

### **EXTREME VALUES**

MINIMUM TEMPERATURE (FROM DAILY OBSERVATIONS)

23111

LUKE AFB ARIZONA/PHOENIX

41-46, 51-72

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WHOLE DEGREES FAHRENHEIT

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG	SEP.	ост.	NOV.	DEC.	ALL MONTHS
41												30	
42	31	29	35	40	47	59	69	60	60	39	38	.30	29
43	32	33	40	-41	50	54	60	68	58	.41	31	31	31
44	27	32	36	-41	53	53	56	68	61	50	.33	.22	27
45	30	32	34	35	52	55	70	71	52	45	36	26	26
46	29			.42	55	61	68	72	63	42			
51					45	-56	69	65	61	43	37	28	
52	29	29	34	.45	54	60	53	.70	53	49	-30	71	25
53	34	29	38	40	47	58	74	62	56	-45	32	23	23
24	29	38	37	44	-40	,54	71	63	60	43	.40	27	27
55	30	26	35	38	48	-55	64	71	55	<b>9</b> 0	35	-32	25 23 27 26 25 33 29 30 26 31 24 24
55	33	25	32	-41	53	<u>\$5</u>	<u>66</u> 73	63	64	41	31	'27	25
57	3.5	35	40	+3	-51	.61		60	58	50	33	.54	33
58	30	36	38	39	50	.60	59	75	60		30		29
59	30	32	36	52	40	60	73	71	56		37	:33	30
60	28	26 37	39	43	50	67	70	69	54		36		36
91	34		40	47	-55	.57	68	70		41	31	.31	31
62	24	30	33	.49	-90	:53	6.0	64	62		36	.31	ĒŔ
63	21	36	36	43	53	.55	71	70		34 47	.48	30	21
64	24	28	32	.40	· 43	58	73	90	61		32	29	29
65	33	32	31	-41	144	36	74	65	50	46	37	33	31
66	29	<b>3</b> 0	30	45	.56	51	72		64	.44	36		İ
67	25	34	36	.42	47		74		63	49	42	31	
68	31	39	40	-41		6¢	67	62	54	.46	-33	27	
69	33	33	31	48	50	-65	67	74	ó∳	-47	-39	32	31 27 24
70	27	34	39	-4C	.49	.57	59	76	58	.42	36		27
71	29	30	28	.44	.30	.57	70	72	54	32	38	132	24
72	29	32	41	44	54	59							<b> </b>
	į		İ		İ								
MEAN	29,3	31.9		42,7	20.2	38,7	69,2		58,6	45.0	.33.3	29,9	27.3
3 0	3,519	3.745	3.616	3.654	3,724	.4. [68					3,623	2.747	3,199
TOTAL ORS.	806	797	773	790	8,,6	\$10	806	.744	750	806	750	806	9376

1210 WS FORM 0-88-5 (Det 50)

DATA PROCESSING BRANCH UBAF ETAC ALK WEATHER SERVICE/MAC

**EXTREME VALUES** 

MINIMUM TEMPERATURE

1

29111 LUKE AFB ARIZGNA/PHORNIX 41-46, 51-72

WHOLE DEGREES FAHRENHEIT /BASED ON LESS THAN FULL MONTHS/

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
46	<del></del>	30 14	<del></del>								34 15		MIN TEMP
51			_	14									MIN TEMP
<b>5</b> 5								72 30					ININ TEMP
67								72 30					FIN TEMP
68					54 11								MIN TEMP
72							Q						MIN TEMP
MEAN													
5. D													
TOTAL OBS.										ł	l	<u> </u>	

1210 WS FORM 0-88-5 (Det 50)

DATA PRUCESSING ONA COMUSAF ETAC AIR WEATHER SERVICE/AC

LUKE AFB ARIZONA/PHORNIX

#### PSYCHROMETRIC SUMMARY

ALL HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B. W.B. Dry Buib (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 Wet Bulb Dew Point 118/117 • C 116/115 135 315 135 112/111 315 , <del>3</del> 110/109 719 720 ,6 1428 1428 .9 2270 2270 108/107 106/105 • 0 1.0 3095 3095 .9 3611 3613 .9 4467 4469 104/103 ,3 .0 100/ 99 ,9 4847 4848 98/ 97 96/ 95 5541 5543 .7 5784 5784 94/ 93 92/ 91 6 6192 6193 ,4 7176 7178 ,1 7238 7239 , 5 90/ 89 .0 .1 . 3 .4 88/ 87 .3 ٠0 ,0 7831 7833 . 3 . 5 86/ 85 , 3 . 3 . 1 84/ 83 7605 7609 82/ 81 7813 7814 16 .2 .3 . 5 • 0 .3 ় ় 68 80/ 79 .6 8244 8245 • 2 , 1 78/ .3 7735 7736 822 4 . 0 . 3 . 4 . 6 . 6 • 1 76/ 75 3714 77 7761 7764 7361 7361 8594 7262 726411389 74/ 73 . 1 •6 422 71 .0 70/ 69 7967 7969 11065 2533 . 7 . 0 · • 1 7538 7541 8882 3650 7996 7996 8526 4902 68/ 67 <u>•</u> 0 . 0 .0 . 3 .0 66/ 65 .0 .7 • 1 . 1 .6 7647 7647 8470 5520 اغو 64/ 63 . 3 .0 . 0 .0 . 2 62/ 61 , 3 7689 7690 9714 6014 .0 ٠Û • 7 60/ 59 . 0 8146 814811489 5579 . 1 . 8 58/ 57 7960 796012393 5246 •7 •7 . 1 • 7 .6 • 1 .0 8060 806113527 5631 56/ 55 . 3 54/ 53 . 3 7528 752814309 5940 .0 6900 690214743 6269 52/ 51 Element (X) ZX No. Obs. Mean No. of Hours with Temperature 10F = 32 F Dry Bulb Wet Bulb Dew Point

41-46,51-72

ORM 0.26-5 (OL A) IEVISED MEVIOUS EDITIONS OF THIS FORM ARE DESCRETE

USAFETAC FORM D

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### **PSYCHROMETRIC SUMMARY**

23111 STATION	_ ==::	<u></u>		ST	ATION NA	HOFN!			_	41:-4				YE	AR5						NTH
																		PAG	EZ	HOURS (	<u>     </u>
Temp										DEPRES								TOTAL		TOTAL	_
(F)	0	1 - 2	<del></del>	5 - 6						17 - 18	9 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb		
50/ 49	• 4	• 35	- 4	. 6	• 7		• 4	• 1	.0	- 1	į						Į.		7123		
48/ 47	ايو	- 3	• 4	<u> </u>			2	1	<u> c</u>		<del></del>			<del> </del>			<del> </del>	6122			
46/ 45	• 9	.4	• 4	. 5	. 5 . 4	• 4	. 1	• 🗸	.0					i				5674		13130	
42/ 41	- • 4	- 3	. 5	• 2	• 4	- 2	<u>• 1</u>							<del> </del>	<del>  </del>		<del> </del>		4656	11430	110
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26/ 25		. 0	. 4	. :									i	$\neg$			Ī	30		260	
24/ 23	d		U	ان و						1			<u> </u>	<u> </u>	]		<u>L</u> _	110		151	1 7
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20/ 19	<u> </u>	<u>        i</u> .	; 											<u> </u>			<u>L</u>	!		21	
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16/ 15	<u>  </u>													<del> </del>	<u> </u>	<u> </u>	<del> </del>	<u> </u>	ļ		12
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13/-13		!											<u> </u>	<u> </u>	ļ	<u> </u>	<u> </u>	<u> </u>	<u> </u>	ļ	<u></u>
-14/-15	<del>                                     </del>									i i			1		İ	İ			İ	ļ	
16/-17		1			<u> </u>	لہل		ليا		No. Ob			<u> </u>	ــــــــــــــــــــــــــــــــــــــ	<u> </u>	<u></u>	<u>.                                    </u>	1	<del> </del>	<u> </u>	_
Element (X)	<del> </del>	Σχ'			Σχ		X	<u> </u>		No. Ub	·			4 32 F			ours wit	h Tempera			Tot
Dry Bulb	<del> </del>							<del> </del>	-			± 0		± 32 F	≥ 67	-	2 /3 F	2 80 F	- 43	<del>-  </del>	101
Wet Bulb	<del> </del>																	<del> </del>	-		
Dew Point	·					<del> </del>		<b> </b>							<del> </del>			+			

# **PSYCHROMETRIC SUMMARY**

3111 STATION	LU	KE A	FB A	RIZU	NA/P	HOEN	IX			41	46,5	1-72		YE	ARS					A MO	LL
																		PAGI	€ 3	A HOURS (	LL. L. S. T.)
Temp.						WET	BULB 1	EMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 · 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Po
18/-19	-			)																	
18/-19 18/-19					1	1			ì											i	
DTAL	. 3	3.4	5,2	5.4	7.1	7.7	7.9	7.7	7.7	7.3	6.9	6.2	5.5	4.7	4,2	3.5	8.3	2	27442		2740
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fement (X)		Σχ'	0 <b>9</b> /2		Σχ		X	·,		No. Ob								Temperati	)f <b>0</b>		
Rel. Hum.			5762		0447	19	38.0	8.02	13	2273	93	± 0 l		32 F	≥ 67	Fz	73 F	≥ 80 F	≥ 93 F		<b>Total</b>
ry Bulb			2765		1400	97	71.0	18.2	58	2274	42			27.6	4966	.740	88,6	3068,4	1225	3	876
Vet Bulb	7	1001	4724		3710	30	54.5	1104	54	2274	03		1	68.5	1706	. 8 5	04.3	1.2	3		876
Daw Point	4	793	4735	9	2759	75	39.9	14.1	60	2274	02	12	. 428	10.6	305	. 61	19.4		7		376

# **PSYCHROMETRIC SUMMARY**

STATION	·	ĻU	KE A	FB A	RIZO	NA/P	HOEN	IX			42=	46,5	2-72		YE	ARS					AN NTH
																		PAGI	1	HOURS (	<b>LL</b> L. S. T.)
Temp.						,					DEPRE							TOTAL		TOTAL	
(F)		0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	3 - 24		27 - 28 29 -	30 ≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Po
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Dew Poin					1									$\neg$			l ——	<del>                                     </del>	7		

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

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Rel. Hum.		603	1921	<u> </u>	985	789	51.4	22.	112	19	187	= 0	F	≤ 32 F		7 F	≥ 73 F	2 80 F		F	Total
Dry Bulb			3998		982	<u> </u>	فعلج	10.	99	1.5	187	<u> </u>		14.	6	2.1	14.	3 1.	0		74
Wet Bulb			6498		813	468	42.	7.	104	19	187			65.1	<u> </u>				_		74
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0.26-5 (OL A) REVISED MENOUS EDITIONS OF THIS P

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AFETAC FORM 0.2

DATA PROCESSI > 28A CH USAF ETAC AIR WEATHER SERVICE/ AC

23111 LUKE AFB ARIZONA/PHOENIX 42-46,52-72

### PSYCHROMETRIC SUMMARY

STATION	-			57	ATION HA	эм								YE	ARS					МО	NTH
																		PAG	E 1	HOUPS (	LL L. S. 7.)
Temp						WET	BULB 1	EMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
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78/ 77		} }	1	}	}	1				. 1	1	. 2	. 4	.3	.d	1		184	184		)
76/ 75									, 1	. 1	, 2	. 4	. 5	. 2				268	269		
74/ 73		<u> </u>	]		]	u		. 1	1	. 2	. 4	. 8	.5	. 1				389	389		
72/ 71						. 0	. 1	. 2	. 2		<b>.</b> B	.6	. 3	. C				451	451		
70/ 69						لا	2	. 3	. 4	.7	. 9	, 6	. 2	.0		i		582	583		<u> </u>
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Wet Bulb						-1-		<del> </del>	-				_		<del> </del>	-1		<del> </del>	-	_ _	
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FORM 0.26.5 (OL A) REYISTO MEYNOUS EDITIONS OF THIS FORM ARE OBSOITER

USAFETAC FORM 0.26:5 (Q)

### **PSYCHROMETRIC SUMMARY**

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Temp.						WET	BULB	TEMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8								23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Por
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Rel. Hum.			7270		7653	321	44.8	22.2	91	170	84	± 0	F	± 32 F	z 67	F	≥ 73 F	≥ 80 F	≥ 93	F	Total
Dry Bulb			921		9434	125	55.2	10.8	73	170				4.2	110	.6	45	9.	1		67
Wet Bulb		3458	52700		759(		44.6	7.0	12	170				37.3		.1			1		67
Dew Point		1836	59\$13	<u></u>	5264		30.5	11.2	10	170	85		9 3	360.2	<del>                                     </del>			<del>                                     </del>	<del>- </del>		67

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### PSYCHROMETRIC SUMMARY:

	23111	<u>LU</u>	KE A	FB A	PIZO	YA/PI	HOEN	IX			42-	45,5	2-72								M.A	
	STATION				ST.	ATION NA	ME								YE	ARS			PAGI	<b>.</b> 1	MON A I	
																					HOURS (L	. S. T.)
	Temp.		,			· · · · · · · · · · · · · · · · · · ·			FMPER										TOTAL		TOTAL	
j	(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30		D.B./W.B.		Wet Bulb	Dew Point
	96/ 95 94/ 93			1	1	ļ												, 0	11	2 11	ļ	
	92/ 91																.0	, 1		26		
	90/89															.0	. 1	. 1	54	54		
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	82/81										.0	1	1	_ ,4	.6	. 5	1	٥	331	331		
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	70/ 69				•		ي.		4	. 8	1.2	101	. 8						869	869		
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	62/ 61			<u>.</u> 0	1	3	7	1.0	1.2	1,3	. 8	3							1069	1069	93	
	60/ 59		. 1	. 1	• 2	.7	9	1.0	1.4	1.0			• 0						1152	1153	325	2
	58/ 57 56/ 55		1 2	3	. 5 8	- 5	1.3	1.3	_	<u>, 7</u>	.2				<b> </b>				1180	1180	715	13 29
	54/ 53	.0		4 7	2	1.2	1.4	1.5	9	. 3	1	•0	!					,	1203	1203	1632	76
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	48/ 47	,	.5	. 9	9	7.0	,6		.2	• 0	}								887	887 681	2201	461 686
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	42/ 41	Ű	.3	.5	• 4	. 4	. 2												349	349	1437	1169
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	Element (X)		Σχ'			X		<u>x</u>	- F		No. Ob	5.			- 20 5	Mean h			Temperat		<del></del>	Total
	Dry Bulb								<del> </del>				= 0		32 F	2 07		73 F	> 80 F	≥ 93 f		6101
	Wet Bulb																			1		
	Dew Point						$\Box$			$\perp$												

ULD BY 0.26-5 (OLA) REVISED MEYIOUS EDITIONS OF THIS FORM ARE DESCRETE

SAFETAC FORM

DATA PROGESSI NO CUSAF ETAC AIR MEATHER SERVICEZ AC

23111 LUKE AFO APIZUNA/PHLENIX

### **PSYCHROMETRIC SUMMARY**

STATION				5	TATION I	MAME								YE	ARS					МС	NTH
																		PAG	£ 2	HOURS	LL L. S. T I
Temp						WET	BULB	TEMPER	ATUR	E DEPRI	ESSION	(F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8								23 . 24	25 . 26	27 . 28	29 - 30	> 31	D.B./W.B.	Dev Bulb		Dew Po
28/ 27		<del> </del>	1		-	17-10		13.13	13-10	11/1-10	17.10		13-14	13-10					1		126
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22/ 21		ļ	<u> </u>	ļ			ļ	<b>}</b> _		. <del> </del>	ļ		<del> </del>	<b> </b>						<b> </b> -	72
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18/ 17		-			.	. [	<u> </u>			ļ	ļ									ļ	55
16/ 15		į	ĺ	1		1	l	1	į	1	l	l	1	i l	Į		l			l	36
14/ 13					· 	<u> </u>				<u> </u>			<u> </u>								28
12/ 11		i		1	Ì	1			]	1	1	1	)					ļi		1	20
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8/ 7			1		1												i				12
6/ 5			1	İ	[			1	1	1	•	i		]	i		!			<b> </b>	7
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Rel. Hum.			1568:	3	725	127		20.9			97	ź 0	F	: 32 F	z 67		73 F	) > 80 F	× 93	F	Total
Dry Bulb			729		1120	20.1	60	11	53	10	500						28.4	·		5	74
Wet Bulb			254^	<u> </u>	274	<del>- 8</del> 2	1000	1-49	64	10	199					فسلاد	200 4	7790	اك	<u></u>	$\frac{\frac{7}{4}}{74}$
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Dew Point		2.5	1:77	7	293	1 - 2	و و له ت	7 - 7	114	10;	520		د دوا	72.9		- 1		<b>!</b> .	1	1	74

47-45,52-72

J. SAFETAC

CATA PROCESSION IN COUSAR ETAC AIR MEATHER SERVICEY AC

### **PSYCHROMETRIC SUMMARY**

TUKE AFO ARIZU APPLUENTX 42-46,51-72 ALL HOURS (L. S. Y.) PAGE 1

Temp											SSION (							TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B W.B.	Dry Bulb	Wei Bulb	Dew Point
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100/ 99																٥ و	1	13	13	!	
98/ 97		1			. 1									! !	• 0	.0	, 3	62	52	ļ	
96/ 95							_								.0	<u>• 1</u>	5	122	122		
94/ 93		1									,	,	.0		- 1	• 1	. 3	197	197	į	
92/ 91											l		<u>, c</u>		• 1	3	- 9		234		
90/89				į ,								• 9	• 1	.2		. 6	. 9		381		
88/ 87		<b></b> -	<u> </u>						<u>. c</u>		ļ		<u> </u>	.2		1.0	5		469		
85/85				j l						ĺ.	• 0	,1	.3	. 5	1.2	1,3	, 1	662	662		
84/ 83		<del> </del>	!	<b></b> -						<u> • •</u>		. 3	- 4			5	ں و		685		
82/81		-							ن ه	, 1	. 2		, 8	1.1	1.1	• 1	• 0		724		
80/ 79		<b></b>		<u> </u>			• 0	<u> </u>	- • (	- 2	• 4	5	101	1.4	• 7	<u> </u>		83C	830		
78/ 77	<u> </u>							• 4	1				. 4		• -			887	887	Ì	
76/ 75				!			_ • •		. 2									917	917		
74/ 73		İ	•	1		• 0	• 1	.1	. 3			1,4			• 0			926	926	ا	
72/ 71					- • 54	<u>•0</u>	• 1	• 3										927	927	1.0	
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Cry Bulb																					
Wei Bulb									$\neg \vdash$										1		
Dew Point	i																	7			

fow 0.26.5 (OL A) revision revous rotoms of this form are obsoler

USAFETAC

DATA PRUCASSI C C USAF ETAC AIR MEATHER SERVICE/ .C

#### PSYCHROMETRIC SUMMARY

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																		PAGE	£ 2	HOURS (	<u>                                      </u>
Temp						WE	TBULB	TEMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
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Bulb			53490		1300		69.	111.9	81	189							271,4	152.	1 15	5 , 1	7
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Point		2142	27099	띩	615	287	32.	9.2	27	189	20		. 6	371.0	1				1	1	7

FORM 0.26-5 (OL A) ITVISED MENDOS EDITIONS OF THIS FORM ARE OBSORED

DATA PROCESSI 1990 USAF ETAC AIR FEATHER SERVICE/ AC

FORE MER MYSTAN GENTY

#### PSYCHROMETRIC SUMMARY

HOURS (L. 5 1.) WET BULB TEMPERATURE DEPRESSION (F) 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 -31 D.B. W.B. Dry Bulb Wet Bulb Dew Poin 112/111 110/109 33 108/107 106/105 104/103 93 102/101 163 100/ 99 318 °8/ 97 479 479 96/ 95 3,2 722 724 94/ 93 768 768 902 903 90/ 89 969 88/ 87 968 968 1.7 l. 86/ 85 1009 1009 998 1052 1052 82/ 81 1179 1180 1127 1127 807 79 1.7 . 5 1.3 78/ 77 76/ 75 1201 1201 74/ 73 71 1070 1076 72/ 1004 1004 70/ 69 1116 1116 228 68/ 67 957 957 1. 66/ 65 909 909 526 750 750 1128 64/ 63 627 1874 62/ 61 627 60/ 59 326 526 2416 30 2694 58/ 57 349 2694 294 2550 349 93 36/ 55 . 1 294 . 3 171 2398 54/ 53 171 177 52/ 51 225 75 75 2168 41 1526 50/ 49 346 41 469 13 1091 48/ 47 13 636 637 No. Ohs. Mean No. of Hours with Temperature Element (X) Rel. Hum. 20 F s 32 F 267 F 273 F 280 F Dry Bulb Wet Bulb

42-46,51-72

5.5 (OL A) IENSED MENDUS EDITIONS OF THIS FORM ARE OLSORITE

AFETAC FORM 0.3

. . DATA PRICESSI > 75 01 USAP ETAC AIR MEATHER SERVICE/ AC

23111 LUKE AFB AFIZCHA/PHOENIK 42-46,51-72

### **PSYCHROMETRIC SUMMARY**

3-7-7-		STATION NAME				YEA	ARS.				MO	(744
									PAG	E 2	HOURS 7	<u>LL</u>
Temp		WET	BULB TEMPERATE	URE DEPRESSION	(F)				TOTAL		TOTAL	
(F)	0 1 2 3 - 4	5-6 7-8 9-10				4 25 - 26	27 - 28 29 -	30 + 31		Dry Bulb		Dew P
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#### PSYCHROMETRIC SUMMARY

LUKE AFB ARIZONA/PHOENIX PAGE 1 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 6 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 231 D.B. W.B. Dry Bulb Wer Bulb Dew Point 118/117 116/115 , 3 61 61 112/111 110/109 209 209 108/107 372 372 2.6 502 106/105 502 621 104/103 621 3,6 719 102/101 719 100/ 99 98/ 97 956 1004 976 1005 96/ 95 976 2,7 94/ 93 999 999 1014 1155 1079 92/ 91: 1156 88/ 87 1080 1075 1077 1014 1016 .0 84/ 83 82/ 81 1049 1050 80/ 79 78/ 77 76/ 75 74/ 73 1063 93C 931 . 1 864 864 1.2 . 3 0 194 756 756 72/ 71 70/ 69 68/ 67 497 675 675 1064 587 20 587 463 463 48 66/ 65 • a 329 1879 68 329 152 64/ 63 200 200 2176 1 627 61 128 2343 201 . 0 128 60/ 59 58/ 57 234 243d 80 80 .0 •0 34 2093 304 4C2 515 56/ 55 1738 131d 547 53 52/ 51 883 551 No. Obs. Mean No. of Hours with Temperature = 0 F ≥ 67 F - 73 F > 80 F ≥ 93 F Rel Hum. 2 32 F Dry Bulb Wer Bulb Dew Point

42-46,51-72

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# **PSYCHROMETRIC SUMMARY**

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														_				PAG	E 2	HOURS (	L. S. T.)
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23111 LUKE AFB ARIZONA/PHDENIX

### PSYCHROMETRIC SUMMARY

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42-46,51-72

MI SA 0.26-5 (OLA) REVISED MENOUS EDITIONS OF THIS FORM ARE DESORTED IN SA

AFETAC FORM 0.26-5 (C

### **PSYCHROMETRIC SUMMARY**

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TOTA A RIVISED MEVOUS EDITIONS OF THIS FORM ARE OBSOLETE

AFETAC FORM 0.26-5 (ULA)

#### PSYCHROMETRIC SUMMARY

LUKE AFE ARIZONA/PHOENIX PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B. W.B. Dry Bulb Wet Bulb Dew Poin 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 (F) 116/115 12/113 24 112 24 10/109 6 112 1,3 2.0 2,1 108/107 260 106/105 104/103 493 778 493 . 2 778 102/101 950 1.6 , 8 1159 1160 100/ 99 1.0 98/ 97 1275 1225 1.5 2.0 96/ 95 1.6 *i*7 0 94/ 93 1263 1263 1409 1409 92/ 91 1,4 90/ 89 .0 .5 1.3 . 7 .5 88/ 87 1423 1423 . 1 1525 1525 85 86/ 84/ 83 ,3 . 1 .0 1424 1424 82/ 81 1347 1347 1.6 79 77 •0 36 80/ 1166 1166 • 8 951 485 78/ 951 75 644 645 1987 76/ •0 ۱ و أ . 8 , 3 73 339 4148 339 .0 145 145 -4770 .0 , 1 .0 . 1 70/ 70/ 69 68/ 67 107 3396 107 1483 1856 1906 48 66/ 65 31 1036 2337 529 2284 63 .0 15 15 64/ .0 ,0 .0 • O 379 2230 61 60/ 59 58/ 57 281 1862 • 0 56/ 55 131 1076 54/ 33 50 856 23 52/ 51 635 30/ 49 490 No. Obs. Element (X) Mean No. of Hours with Temperature Rel. Hum. 10F ≤ 32 F ≥ 80 F Dry Bulb Wet Bulb Dew Point

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# PSYCHROMETRIC SUMMARY

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		Σχ²	<u> </u>	ļ	ZX	<u> </u>	X X			No. Qb		<u></u>		<u> </u>	]	<u> </u>		h Tempera	<u></u>		
lement (X)		3973	2604		8053	152		17.8		193		± 0	F	± 32 F	Mean a		2 73 F	» 80 F	z 93 l	F	Total
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FORM 0.26-5 (OL A) REVISED PREVIOUS EQUIDANS OF THIS FOLM ARE OLSONE JUL 64

### **PSYCHROMETRIC SUMMARY**

3111 STATION	<u>LU</u>	KE A	FB A	RIZO	NA/P	HOEN	IX_			42-	46,5	1-71			AR5					S	EP
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12/111																	, 0	5	5		
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4/ 93					)		1	ľ	.0	. 1	, 3	. 6	7	, 9	9	. 8	5	888	888		
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8/ 87						• C	• 1	• 2	• 7		, 9	9			, 2	2 و	, 1	1032	1032	_	
6/ 85					.0		• 2	. 5	8 .	. 8	101	- 8				1	0	1084	1084	9	_
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2/ 81				.0	. 2	, 5	. 7	8.	3.0	3,0	, B	• 7	. 2		• C	• 0		1121	1121	3	
10/ 79		ار	.0	• 1	.5	.7	1.0	8 8		1;1	1,0	2.	,2	• 1		_		1287	1287	3 3 <b>9</b>	-
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fet Bulb						_							$\neg \vdash$			$\neg$			1		
Dew Point				1												$\neg$		i -			

### PSYCHROMETRIC SUMMARY

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																		PAG	E 2	HOURS	(L. S. T.)
Temp.							BULBT											TOTAL		TOTAL	
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/ 39		ĺ				1		- [		[				Į	l	l	1	{		1	59
37		<del> </del>			<u> </u>	ļ- <b></b> -				ļ				<u> </u>		<del> </del>		<del> </del>	<u> </u>		45
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. Hum.			7190		7011	28		17.6	75	186		± 0	F	≤ 32 F	≥ 6	_	≥ 73 F	≥ 80 F	z 93	F	Total
Bub	1	3377	8918	1	5676	92		11.0		186			_					451.			7.7
Bulb	^		3872	1	2073	84		5.97		186					30		45		3		73
w Point			2055		9745	20	52.2			186			_	21.0		.6	1 :		-		7.2

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION				57	ATION N	AME								YΕ	ARS					MO	NTH.
																		PAG	E 1	HOURS (	L L L. S. T.)
Temp						WET	BULB .	TEMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8								23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Po
06/105																	, 0	3	.3		
02/101															٠, ١	.0	,0	6	-6		
98/ 97													<u>,0</u>	0	•0	<u>, 0</u>	.3	53 117	<u>53</u>		<del> </del>
96/ 95											.0	.0	0	• 0	2	, 2 , 4	. 5	241	241		
94/ 93 92/ 91		}		<u> </u>						.0	0	• 0	.1	.2	, 5 . 6	5	9	363 429	363 429		
90/ 89								•0	,0	. 1	. 1	, 2	.4	. 6	. 6	.8	,3	613	613		<del>                                     </del>
88/ 87 86/ 85							.0	• O	.1	<u>, 1</u>	, 2 , 3	- 3	- 9	.7 1:1	.8 .7	5		709	709 753		<u> </u>
84/ 83							ŏ	.1	. 1	.3	. 5	, 6 8	1,0	7	. 4	,2	• 0	746	746		ĺ
82/ 81 80/ 79			.0	.0	.0	.0	, 1 , 1	• 1	.4	.7	, B 1.0	1.0	.7		, 2 , 1	.0		847 864	847 864		
78/ 77				• 0	• 1	, 1 , 2			.6	, 9	8	. 9	.4	, 2 , 1	ō	-0		870	870		<del> </del>
76/ 75 74/ 73	.0	•0	,0 ,1	•1	- 1 1	.2 .3	.5	•6	9	1.0	9	6		• 1				975	976		
14/ 71		.0	. 1	- 1	. 2	5	8		1,1	1,0		. 2	, 2 , 1	• 0		·		'978 1101	978 1102	34 108	
70/ 69 68/ 67	.0	. 1	. 2	.2	. 4 . 5	• 7	, 9	1.2	1,2		, 5	. 2	•0					1212	1212	249	
66/ 65	.0	, 2	. 2	, 5	.6 .5	1.0	1.3	1.3	1,2	.4	. 2	.0	•0					1238	1238 1254	528 991	1
64/63		-1	. 3	- 4			1.2	1.2	. 5	, 2	. 1							1106	1106	1365	1
60/ 59	.0	. 2	.3	• 4	.7	1.0	1,3	1.1	. 5		0.0	1				- 1		1068	1068		2 2
58/ 57 56/ 55	0.0	. 3	.2	.4	.7	1.2	1 ; 1	¢4	.1	, 1								862	862	.2089	4
54/ 53	.0	.1	, 1	.3	6	, 5	•6 •4		.0	0								636 446	656 446		
52/ 51 50/ 49	• 0	•0	2	ا <u>ند</u> اند	.3	.2	. 2	-1	0									264	264	1605	9
48/ 47	• •	e 1	. 1 2	. 3 . 2	.2	C	.0	00							ĺ	1		210 126	210 126	1449	
46/ 45		0	• }	•1	. 1 . 0	.0	.0											66	66	796	14
42/ 41		•0	.0	.0	. 0	.0									<del></del>			36 17	36 17	472 267	
40/ 39   Element (X)		0  Σχ²		. 0	0	٥	X			No. Ob								'7	'7	161	
Rel. Hum.		<u> </u>			^		Α			.40. UB	<del>"</del>	± 0 F		32 F				Temperat		<del></del> -	T1
Dry Bulb						- -			+-			201		32 F	≥ 67	<del>- -</del> -	73 F	→ 80 F	≥ 93 F	<del></del>	Total
Wet Bulb				·									$\neg$			$\dashv$			1	_	
Dew Point									<del></del>											———	

LUKE AFB ARIZONA/PHOENIX

42-46,51-71

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-71

#### **PSYCHROMETRIC SUMMARY**

STATION				5	TATION N	IAME								YΕ	AR\$					MOI	HTH
																		PAG	E 2	HOURS (	<b>L.</b> 5.
Temp.						WET	BULB	TEMPER	RATURE	DEPRE	SSION	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8								23 24	25 - 26	27 - 28	29 - 30	× 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew
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34/ 33		l		.0		<del> </del>	<del> </del>	<del> </del>	<del> </del>					<b></b>			<del> </del>	2	2		
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30/ 29					1		<del> </del>	<del>                                     </del>	<del> </del>					<del> </del>			<del> </del>			4	,
28/ 27	Ì	1		ì	}	1	}	1	1	i :	i 1						1		)	3	
26/ 25		i		1			i	i									<del>                                     </del>		<del></del>	1	1
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22/ 21				1		1		<del> </del>													1
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18/ 17																					Π
16/ 15		<b> </b>	l	l	L	<u> </u>		L			_				_						
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8/ 7	·	<u> </u>	<u> </u>	<u>                                     </u>		<u>                                     </u>	<u> </u>	1		<u> </u>				<u>                                      </u>			<u> </u>	<u> </u>	<u> </u>	<u></u>	1_
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Element (X)		Ex,		<del></del>	E <sub>X</sub>	┺	X	•,	<del>                                     </del>	No. OI	. T	L	<u> </u>	J	Mean	No. of H	lours wit	h Tempera	ture.	<u></u>	
Rel. Hum.			8837		7549	331		18.2		193		<b>±</b> 0	F	± 32 F	≥ 67		2 73 F	≥ 80 F		F	Tot
Dry Bulb	1	0159	7386	1	381	730	71.4	11.	32	193	07			•0				205.		. 2	
		4110	4093	1	0779	117	K 5	6.8	- 2							.9	1.8		<del></del>		
Wet Bulb		OTOS	' Y V 7 =	/) I		/ L / I	22	2) (2 a (	100	193	ו כטי			. 7	1 50	ולים	140	ı		1	

LUKE AFB ARIZONA/PHOENIX

# PSYCHROMETRIC SUMMARY

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STATION				\$1	ATION NA	ME								YÉ	ARS					MOI	TH
																		PAGI	E 1		<b>LL</b> L. S. T/)
Temp.						WET	BULB	TEMPER	ATURE	DEPRE	SSION (	F)	·					TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8								23 - 24	25 - 26	27 - 28	29 . 30	≥ 31	D.B. W.B.	Dry Bulb	Wer Bulb	Dew Poir
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90/ 89									<u> </u>	ļ					•0	.0	<u>.0</u>		و		
88/ 87				,	ł					İ		_		,0		, 1		35	35		l
86/ 85										<u> </u>	,0			.2	.2	- 0		98	98		
84/ 83 82/ 81	j				İ					•0	0		.2			.0	.0	164 237	164 237		
80/ 79									.0	,0	, 2	. 5				• 0		384	384		
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42-46, 51-71

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# **PSYCHROMETRIC SUMMARY**

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DATA PROCESSING 'RA-.CH USAF ETAC AIR WEATHER SERVICE/YAC

#### PSYCHROMETRIC SUMMARY

LUKE AFB ARIZONA/PHDENIX 41-45,51-71 DEC ALL HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. TOTAL (F) D.B. W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 19 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 0 88/ 87 84/ 83 82/ 81 80/ 79 78/ 77 .0 60 60 76/ 75 148 148 .1 . 0 . 1 .0 220 220 72/ 71 313 313 70/ 69 .1 450 450 68/ 67 472 472 66/ 65 .0 638 638 • 3 <u>. 6</u>) 64/ 63 708 . 8 708 62/ 61 . 1 . 4 822 822 : 2 60/ 59 960 960 58/ 57 . 8 1018 195 1.1 1018 56/ 55 58 1162 1162 388 34/ 53 .1 .7 .7 . 8 1.2 . 5 1302 1302 861 149 . 0 1,0 52/ 51 . 9 1321 1286 1287 283 50/ 49 • 1 • i 1.2 1.7 1531 1490 1.3 . 8 1486 453 • 3 48/ 47 1.0 1469 1469 1822 463 1.3 45 46/ 2.0 1.7 1.5 1503 1503 2010 583 .0 44/ 43 1.4 1.8 1406 1406 2012 .1 1.6 1.7 42/ 41 1.0 1.2 1192 1939 1192 40/ 39 1.0 1023 1848 1023 38/ 37 • 13 1.1 1.2 . 1 696 696 1683 1322 1366 1611 484 484 34/ 1001 1556 33 .0 237 237 32/ 31 108 108 620 1712 • 0 1486 1318 30/ 29 344 .1 55 55 . 1 • 1 170 28/ 27 23 23 25 26/ 55 1188 24/ 23 28 1005 22/ 21 872 20/ 19 553 Mean No. of Hours with Temperature Element (X) Rel. Hum. ≤ 0 F ± 32 F 267 F 273 F 280 F 293 F Dry Bulb Wet Bulb

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Dew Paint

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DATA PROCESSING HANGE USAF ETAC AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY,

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Dew Point		2171	716	IJ	618	567	32.1	9,8	23	192	75		. 8	378.	91	- 1		1	1		7

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#### **PSYCHROMETRIC SUMMARY**

LUKE AFB ARIZONA/PHOENIX C000-0200 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F)

1 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 3 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 3 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 64/ 63 62/ 61 15 19 17 31 27 59 1.6 2.5 3.4 3.3 56/ 54/ 53 1.5 52/ 51 195 195 50/ 1.9 2.4 2.6 246 49 246 312 312 132 48/ 47 177 332 111 278 278 280 44/ 43 2.2 42/ 41 233 233 302 135 40/ 39 187 187 326 163 189 135 338 38/ 37 135 36/ 1.1 227 176 253 35 86 86 34/ 33 32/ 31 162 <u> 57</u> . 5 . 2 31 130 30/ 29 28/ 27 68 163 36 132 . 158 153 26/ 25 29 10 24/ 23 22/ 21 20/ 19 106 78 42 16/ 15 14/ 13 12/ 11 10/ 9 25 18 10/ <u>34</u> i 25 24 4/2/ 11: 0/ -1 8 Element (X) No. Obs. Mean No. of Hours with Temperature . 93 F = 32 F > 80 F Dry Bulb Wet Bulb

42-46,52-72

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Dew Point

### **PSYCHROMETRIC SUMMARY**

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Element (X)		Σχ2			ZX		<u> </u>	1		No. O			<del></del>					h Tempero			
Ref. Hum.			9223		143		60.	dso.	280		393	= 1	0 F	± 32 F	≥ 67	F	23 F	→ 80 F	≥ 93	F	To
Dry Bulb Wet Bulb			2078		108	522 522	45.	4 6	162		393	ļ		110				<del> </del>			
Dew Point		25	1927 6694	닭		105	37.	5 5.9 C1.0	466	- 4	393 393	<del> </del>	40	47.	<u>Kl</u>	- -		<del> </del> -			
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# PSYCHROMETRIC SUMMARY

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STATION				57	ATION N	ME								Y	CARS						
												_						PAGE	1	0300 HOURS (	<u>-0500</u> L. S. T.)
Temp.								EMPER										TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	+	•	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.			Dew Point
62/ 61										• 1		]		ł				2	2		
58/ 57		<u>• 5</u>	2	- 1				• 2	1		<b> </b> -			<del> </del> -			<b> </b>	31 53	31 53	10	6
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48/ 47	. 1	1.4		2.7	1.5	1.2				i							i —	214	214	87	
46/ 45	. 2	2.2	3.2	3.5	2.0	1 9									<u> </u>			321	321	130	53
44/ 43	. 2	2.4	3.0	2.5	2.6			• 0				]						287	287	160	
42/41	4	2.4	3.2			. 8			ļ	ļ	<u> </u>	<b>├</b>		ļ				284	284	279	
40/ 39	4	2.9	3,7	2.2	2.0	.5			[					1	1 1			280	280		
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Rel. Hum.						_ _						≤ 0	F	⊴ 32 F	≥ 67	F '	73 F	≥ 80 F	z 93	F	Total
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USAFETAC FORM 0.26.5 (OLA)

23111 LUKE AFB ARIZONA/PHOENIX 42-46,52-72
STATION STATION NAME

### PSYCHROMETRIC SUMMARY

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Wet Bulb			3260		900	54	37	6,	15		+05			17.2	<del> </del>	_		<del> </del>			
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#### PSYCHROMETRIC SUMMARY

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48/ 47	. 1	1.7	1.2	2.5	1.2	.7	. 2	• 1	. 1					1		ļ	ļ		159	159	78	55
44/ 43	4			2.5	2.0		- 9												221	221 292	103	65
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36/ 35	2 3 2	2.7	2,6	2.5	.7	. 1	• •								+-				212	212	317	176
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AFETAC FORM 0.26.5

23111 LUKE AFB ARIZONA/PHOSNIX

### **PSYCHROMETRIC SUMMARY**

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																		PAG	E 2	0600 HOURS	#0800 L. S. T.)
Temp.							BULB											TOTAL		TOTAL	
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18/-19	_									1									i		-2
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42-46,52-72

LUKE AFB ARIZONA/PHOENIX

#### PSYCHROMETRIC SUMMARY

0900-1100 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 4 31 76/ 75 74/ 73 0 72/ 70/ 69 68/ 67 12 66/ 65 64/ 63 61 61 . 1 62/ 103 102 152 60/ 59 152 58/ 57 197 197 37 51 10 37 27 56/ 55 226 226 54/ 53 272 272 52/ 51 232 232 16 57 50/ 49 245 250 48/ 47 223 223 46/ 45 193 193 327 68 353 96 44/ 43 141 42/ 41 40/ 39 311 154 184 239 • 1 • 2 63 63 191 38/ 38 194 153 36/ 35 32 32 139 34/ 33 100 187 32/ 31 47 30/ 29 28/ 27 26/ 25 19 135 19 23 21 19 17 24/22/ 105 20, 18/ 17 16/ 15 4/ 13 20/ 56 55 51 33 12/ 11 10/ 9 22 26 Element (X) No. Obs. Mean No. of Hours with Temperature Dry Bulb Wet Bulb Dew Point

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42-46,52-72

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# **PSYCHROMETRIC SUMMARY**

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23111 LUKE AFB ARIZONA/PHOENIX
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# **PSYCHROMETRIC SUMMARY**

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42-46,52-72

### PSYCHROMETRIC SUMMARY

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23111 LUKE AFB ARIZONA/PHOENIX 42-46,52-72

### **PSYCHROMETRIC SUMMARY**

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

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## PSYCHROMETRIC SUMMARY

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FORM 0-26-5 (OLA)

USAFETAC

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#### **PSYCHROMETRIC SUMMARY**

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STATION				51	TATION N	IANE								YE	ARS			PAG	E 1		NTH <b>=0200</b> L. s. T.)
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66/ 65						<del> </del>	.0	.0	, 1	.2					<del> </del>			10	1 C		
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Dew Point				<del> </del>				<del> </del>							<del> </del>			<del> </del>	-		

#### **PSYCHROMETRIC SUMMARY**

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Element (X)	2/ 1 0/ -1																					4
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SAFETAC FORM A 26 5

#### PSYCHROMETRIC SUMMARY

23111 LUKE AFB ARIZONA/PHOENIX 42-46,52-72

STATION

STATION NAME

42-46,52-72

YEARS

PAGE 1 0300-0500
HOURS (L. S. T.)

WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 z 31 D.B./W.B. Dry Bulb | Wet Bulb | Dew Point 66/ 67 66/ 65 64/ 63 62/ 61 60/ 59 . 3 58/ 57 58 56/ 55 1.3 124 124 10 17 38 54/ 53 147 52/ 51 50/ 49 165 212 165 64 1.7 2.6 3.7 110 212 48/ 47 1.8 1,4 1.5 1.2 211 211 109 69 7 106 238 238 140 44/ 43 2.6 212 229 • 7 229 42/ 41 40/ 39 38/ 37 199 199 289 176 282 176 216 127 126 126 9 1.0 . 8 36/ 35 1.0 84 84 196 184 34/ 58 175 190 33 58 146 31 20 20 181 78 30/ 29 8 143 42 107 28/ 27 26/ 25 24/ 23 22/ 21 24 135 128 94 20/ 19 18/ 17 60 65 16/ 15 14/ 13 12/ 11 10/ 9 60 59 32 33 8/ 7 23 6/ 18 .4/ 9 Σχ² No. Obs. Mean No, of Hours with Temperature Rel. Hum. ± 0 F ± 32 F ≥ 93 F ≥ 67 F ≥ 73 F ≥ 80 F Total Dry Bulb Wet Bulb

FORM 0.26.5 (OL A) REVISIO PREVIOUS ECHTOMS OF THIS FORM ARE CISCOTES

USAFETAC rosm 0.24 g

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USAFETAC FORM 0.26-5 (OLA) REVISIO REVISIO REPOSS EDITIONS FOR ARE OLD OFFET

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23111 LUKE AFB ARIZONA/PHOENIX
STATION NAME

#### PSYCHROMETRIC SUMMARY

FEB

PAGE 1 0600#0800 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 13 20 62/ 61 13 58/ 57 56/ 55 46 88 88 111 . 1 54/ 53 111 22 52/ 51 159 1.5 2.3 3.6 2.7 1,3 50/ 49 179 179 85 . 1 48/ 47 217 217 108 1.5 242 1.7 242 121 46/ 45 88 230 173 44/ 43 230 1.6 2.6 42/ 41 218 218 239 84 198 304 40/ 39 198 102 2.0 251 38/ 37 156 156 174 197 125 221 36/ 35 34/ 33 164 32 21 190 173 107 32/ 31 32 179 117 30/ 29 21 28/ 27 26/ 25 54 27 123 24/ 23 22/ 21 20/ 19 141 104 61 17 15 13 62 59 59 10/ 48 23 31 6/ 5 2/ 0/ -1 46/ -7 No. Obs. Mean No. of Hours with Temperature Rel. Hum. ≥67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F ± 0 F ± 32 F Total Dry Bulb Wet Bulb Dew Point

42-46,52-72

0.26-5 (OL, A) RENSED MEMOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM

LUKE AFB ARIZONA/PHOEN X

#### **PSYCHROMETRIC SUMMARY**

FEB .

U600=0800 PAGE 2 
 WET BULB TEMPERATURE DEPRESSION (F)
 TOTAL
 TOTAL

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 3 - 4
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 ≥ 31
 D.B./W.B. Dry Bulb
 Wet Bulb
 Dew Point
 Temp. (F) TOTAL 1.114.623.722.116.012.3 6.8 2.2 2136 2136 2136 2136 x x 59.719.779 44.6 6.736 38.7 6.318 30.110.560 No. Obs. Mean No. of Hours with Temperature Element (X) 2136 2136 2136 2136 127596 8457276 ≤ 0 F ± 32 F 4346116 3289914 2172807 2.5 15.5 47.7 84 84 Dry Bulb 93270 82736 64285 Wel Bulb Dew Point 84,

42-46,52-72

C FORM 0.26-5 (OLA) REVISED MEYIOUS EDITIONS OF THIS FORM ARE

USAFETAC FORM 0.26-5 (C

#### PSYCHROMETRIC SUMMARY

23111 LUKE AFB ARIZONA/FHDENIX 42=46,52=72 FEB

STATION STATION NAME

PAGE 1 0900=1100

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14/13     45       Element (X)     Σχ²     Σχ     X     No. Obs.     Mean No. of Hours with Temperature       Rel. Hum.     ± 0 F     ± 32 F     ≥ 67 F     ≥ 73 F     > 80 F     ≥ 93 F     Total			<u> </u>	ļ		<b> </b>	<b> </b>	<b> </b>	ļl		ļ	ļ	<b>  </b>						<u> </u>	<b> </b>		64
Element (X)   Σχ²   Σχ   χ̄   σ <sub>χ</sub>   No. Cbs.   Mean No. of Hours with Temperature			Į			1	(	l l			l	Į	1 1			ļ Į		Į		1 1		
Rel. Hum. ± 0 F = 32 F = 273 F = 80 F = 93 F Total			<u> </u>			<u></u>	ــــــــــــــــــــــــــــــــــــــ	<u></u>		<u></u>	<u></u>				<u> </u>			<u> </u>	<u> </u>			45
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USAFETAC FORM 0.26-5 (OLA) IEVISED MECHOUS SOFTINS FORM ANT OLSOIS

#### **PSYCHROMETRIC SUMMARY**

	LU	KE A	FB A	RIZC	NA/P	HOEN	IX			42-	46,5	2-72								F	EB
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Wet Buib			1672		96			5.		21	34			1.		<del>-</del>		<del> </del>	<del>- </del> -		84
Dew Point		237	18276	3	67	24		11.		2	34		.1	42.	7			<del> </del>			84

AC FORM 0.26.5 (OLA) RENTED MENIOUS EDITIONS OF THIS FORM ARE OISO

# PSYCHROMETRIC SUMMARY

23111 STATION	<u> </u>	KE A	FB A	RIZG	NA/P	HOEN	ΙX			42-	46,3	2-72			ARS						EB
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Temp.						WET	BULB 1	EMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 · 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Por
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#### **PSYCHROMETRIC SUMMARY**

23111 LUKE AFB ARIZONA/PHOENIX 42-46,52-72

STATION

STATION

PAGE 2

1200-14(10)

HOURS (L. S. T.)

Temp. (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - .2 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | \* 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 22/ 21 20/ 19 18/ 17 16/ 15 14/ 13 94 59 82 81 67 45 30 22 12/ 6/ -2/ -3 -4/ -5 -6/ -7 TOTAL 2 1.1 2.2 2.5 3.6 5.7 9.512.315.215.213.811.0 5.5 2.3 2133 2132 2132 2132 Element (X) No. Obs. Mean No. of Hours with Temperature 2670373 66193 31.016.992 2132 Rel. Hum. ± 32 F 267 F 273 F 280 F 65.0 7.633 49.2 5.226 30.711.694 84 84 84 138644 104936 2133 2132 Dry Bulb 9136022 35,3 14.1 2.5 5223104 2299013 Wet Buis Dew Point 63423 44.6

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USAFETAC roum 0.26.5 (0

#### PSYCHROMETRIC SUMMARY

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FORM 0.20-5 (OL

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## PSYCHROMETRIC SUMMARY

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FORM 0.26-5 (OL A) RENSED MENCOUS EDITIONS OF THIS FORM ARE OLDORES

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#### **PSYCHROMETRIC SUMMARY**

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DATA PROCESSION NA CHUSAF ETAC AIR REATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

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REYISED MEYICUS EDITIONS OF THIS FOLM ARE CUSCUE

C FORM 0.24.5 (0) A)

USAFETAC FORM

23111 LUKE AFB ARIZONA/PHOENIX 42-45,52-72

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DATA PROCESSIFC ARGICAL USAF ETAC AIR WEATHER SERVICE/NAC

#### **PSYCHROMETRIC SUMMARY**

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Element (X)		Σχ2	<u></u>	┼──	Σχ	┶	<u> </u>			No. Ol	·	<u> </u>	<u> </u>		Mean	No. of H	ours wit	h Tempera	ture	<u> </u>	<u> </u>
Rel. Hum.			58988	4	1104	772	₹ 47.8	19.	39		13	≤ 0	F	≤ 32 F	₹ 67		73 F	≥ 80 F	≥ 93	F	Total
Dry Bulb		679	9998	ſ	1244	113	53.5 44.3 32.4	6.1	334	23	13			.0	2	. 9	. 4	4			93
Wet Bulb		459	3428	1	1024	120	44.	5,0	357	23	13			1.4							93 93 93
Dew Point		264	4414	1	750	331	32.4	9.	536	22	13		L	44.5	il 						93

USAFETAC FORM 0.26-5 (OL A) REVISED MENOUS EDITIONS OF THIS FORM ARE OMORFIE

#### **PSYCHROMETRIC SUMMARY**

23111 LUKE AFB ARIZONA/PHOENIX 42-45,52-72

STATION STATION NAME

42-45,52-72

YEARS

PAGE 1 0300-0500
HOURS (C. S. T.)

Temp.						WET	BULB 1	EMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Sulb V	let Bulb	Dew Point
72/ 71											• 0							1	1		
70/ 69		li	i		ì	]	با و		.0		, Û	1	_	l _ :				j 5	5		
68/ 67						.0		. 1	.0	. 1	• 1						i	10	10		
66/ 65	Ì		]			, હ	. 1	• 2	.3	.3				1			l	19	19		}
64/ 63				0.5	, 1	.0	.1	. 3	. 5	. 2	.0							33	33		
62/ 61			ا ه	. 0	. 1	. 1	. 4	.7	. 6	. 3	.0						ļ	56	56		
60/ 59		, 1	. 1	. 2	. 6	.6	• 7	. 9	1.0	. 2								99	99		
58/ 57		. 2		. 6	. 7	1.3	1.3		, 3	. 1				i			1	140	140	7	3
56/ 55		. 3	٠. 6	• 9	1.3	l.d	2,1	1.1	, 5	.0								203	203	17	
<b>5</b> 4/ 53	]		. 6	1.4	2.5	2.6	2,2	1.1	.4			] _ [		}				247	247	28	13
52/ 51		.5	1.5	2	2,6	2.5	2.0	. 3	, 3	i				T				270	270	59	
50/ 49	i	1.0	2.3	2.1	2.0	2.6	1.6		1									291	291	133	29
48/ 47		1.2	1.7	2.1	2.5	2,5	. 5										T	255	255	241	53
46/ 45	[ .]	1.3	1.3			2.2	. 6							l .				219	219	320	1 80
44/ 43	0.2	1.0	1,5	1.8	1.4	1.0	• 2			1				T				166	166	343	122
42/ 41	.(	1 1.0	1,3	1.1	1.2	. 8	. 1			}		]		1	] ]		)	130	130	306	
40/ 39	. 1	11.0	1.0	. 9	1.0	.2												93	93	290	
38/ 37	j	. 4		3		2				l							<u></u>	46	46	234	145
36/ 35		. 1	. 2	.3	, 1	, 1												19	19	159	175
34/ 33		i		. 1	. 1					<u> </u>		<u> </u>		L				4	4	95	
32/ 31		. 1		• 1							 							4	4	41	191
30/ 29		٠,0		Ì						1				1	]]		<u> </u>	1	1	26	
28/ 27		ĺ												1			ĺ			7	163
26/ 25	<u> </u>			[							<u></u>	<u></u>		1	<u>                                     </u>					5	
24/ 23												}		}							138
22/ 21	<u> </u>									<u></u>	<u> </u>			<u> </u>			<u> </u>				109
20/ 19			İ			]			]	1	_				]						54
18/ 17	<u> </u>	<u> </u>		<u> </u>		<u> </u>				<u> </u>	<u> </u>	<u> </u>		1	<u> </u>		<u> </u>				61
16/ 15		Į.										l		1							45
14/ 13													L		<u> </u>		<u> </u>				23
12/ 11	1							]		1	İ		-								23
10/ 9		<u> </u>	<u> </u>	<u> </u>	L	<u> </u>		L				<u> </u>									61 45 23 23 12
8/ 7		1									1		[ _				1				16
6/ 5		<u> </u>	<u> </u>			<u></u>	<u> </u>			<u> </u>	<u> </u>	<u> </u>		<u> </u>			1	<u></u>			7
Element (X)		Σχ²			ΣX		X	o <sub>z</sub>		No. O	15.						ours wit	h Temperot	ture		
Rel. Hum.	<u> </u>					_			_	·		± 0	F	≤ 32 F	≥ 67	F	73 F	≥ 80 F	≥ 93 F	_	Total
Dry Bulb	]										]							<u> </u>			
Wet Bulb	<u> </u>										]					_					
Dew Paint			_	1		1			1				- 1				•	1		1	

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USAFETAC FORM

#### PSYCHROMETRIC SUMMARY

23111 STATION	LU	KE A	FB A	RIZL	, A/P	/30H	:IX			42-	45,5	2-72			ARS					<u> </u>	AR
STATION					TATION N	AME								76	.AK5			PAG	E 2		=0500 L. s. T.)
Temp.							BULB											TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	z 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
4/ 3 2/ 1																					4
TOŢAL	• 4	8.3	13.1	15.7	19.5	18,6	12.2	6.5	4.C	1.2	. 3	•1						2311	2311	2311	2311
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Element (X)		Z X 2	<u> </u>	<del> </del>	ZX	<u> </u>	X	0,		No. Ob				<u></u>	Magn	No. of H	lours wit	h Tempera		<u> </u>	<u> </u>
Rel. Hum.			29755		1222	261		19.3			11	≤ 0	F	≤ 32 F	≥ 67		≥ 73 F	≥ 80 F		F	Total
Dry Bulb			88668		115	700	50.1	6.4	52	23	11	<u>-</u>		• 2		•6		1	<del></del>	<del>-  </del>	93
Wet Bulb			81.752		97!	548	42.2	5.2	73	:23	11		_	3,2	]			<del> </del>			02
Dew Point			63313		738	861	32.0	9.3	67	23			<del></del>	46,7	1						93

DATA PROCESSING THA CHUSAF ETAC AIR WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

23111	LU	KE A	FB A	2 I Z D	NA/P	HOEN	IX			42-	45,5	2-72					_			м	AR
STATION				51	TATION N	AME								YE	ARS					-	NTH
																		PAGE	1	HOURS (	-0800 L. S. T.)
Temp.										DEPRE								TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16				23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B. (	bry Bulb	Wet Bulb	Dew Point
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68/ 67					ļ	<del></del> ,			. 2	.2	, 1				<del>  </del>			19	5 19	<b></b>	
64/ 63		1			. 1	. 1	. 2				. 1							42	42		İ
62/61				. 1		. 2								<del></del> -				57	57		
60/ 59		ا ۽	1	. 3	_, 5			. 8	.3	2					<u> </u>			78	78		
58/ 57		• 1	, 3		, Ć	1,3	1.2	. 8										132	132	5	
56/ 55	<u></u>	- 2	<u>, • 5</u>	100										<u> </u>	<b>!</b>			198	198		
54/ 53 52/ 51	• 0	• 3	1,3	1.4	, ~	2.6	1.5	1.0	2									243	243 253	26 69	11
50/ 49	<u>.</u>	. 8	1.0		3,3		.6							<del>                                     </del>				275	275		
48/ 47	• ~	i.j	2.4	2.1	3.1	1.9		. 2							li			274	274	211	56
46/ 45	.2	1.3			2.2	1.5	, 5	. 1										230	230	312	72
44/ 43	3	1.2				3.	. 2			L								173	173		
42/ 41	. 2				1				ļ									141	141	342	
40/ 39 38/ 37	٥ و			100						├				<del> </del>				95 50	95 50		163
36/ 35	• 0	.3	5		ı			İ	}		ĺ				} {			30	30		
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32/ 31		. 1	. 1	• 1					ļ	ļ				<u> </u>				9	9		
30/ 29		• 9	, L	i			<b>!</b>	ļ							ļi			2	2		202
28/ 27				_ • (	<del> </del>	<u> </u>	<u> </u>		ļ	<del> </del>	<del> </del> -			<del> </del>			<del></del>			9	
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20/ 19										<u> </u>											67
18/ 17		i					1	ļ	ļ	1				ł			}	{ {			56
16/ 15					<del> </del> -				<del> </del> -	<del> </del>	<del> </del>			<del> </del>			ļ				36
12/ 11						ĺ	]	<u> </u>		]	[							] }			20
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8/ 7						<u> </u>		<u> </u>	<u> </u>			<u></u>		<u> </u>		<del></del>					10
6/ 3						1		İ	1	}	ļ			1				<b>i</b> {		1	6
4/ 3 Element (X)		Σ <sub>X</sub> <sup>2</sup>			ZX		₹	σ <sub>x</sub>	<del></del>	No. Ol	1	<u></u>	<u> </u>	<del></del>	Mean N	o. of 11	ours wie	h Temperati			5
Rel. Hum.											-	± 0 i	F	≤ 32 F	≥ 67		73 F	≥ 80 F	× 93 I	F	Total
Dry Bulb																					
Wet Bulb																					
Dew Point	<u></u>			<u></u>				<u> </u>							<u></u>			<u> </u>	<u></u>		

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23111 STATION	Lu	KE A	FB A	RIZO	34A/F	, HOEV	XIX			42-	45,	52-7	2								м	AR
STATION				S	TATION N	IAME									Y	EAR.3			PAG	E 2	-	=0800 L s. T.)
Temp.						WET	BULB .	TEMPER	ATURE	DEPR	ESSION	(F)							TOTAL	<u> </u>	TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8		11 - 12						22 23	3 - 24	25 - 26	27 - 2	8 29 - 3	30 ≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
2/ 1 0/ =1																						2
TOTAL	• 8	7.7	13,5	17.	21.0	17.2	9,9	5.6	3.5	1.3	•	3	4	i				1	2316	2316	2316	2316
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Element (X)		Σχ'		J	ZX		¥ 54,0	0 x		No. 0		L_						~~	th Tempera			
Rel. Hum. Dry Bulb		758	31102 )#968	3	114	156	24.0	180	92		316		0 F		≤ 32 F		57 F	≥ 73 F	≠ 80 F	₹ 93	<u> </u>	Total
Wet Bulb			3479		114 97	425	42.1	\$1.5 5.3	160	2	316			+	3,	5			-	<del> </del>		93 93 93
Dew Point			7789			6c7	32.	9,1	64	2	316	<b> </b>		d	44	5			1			93

DATA PROCESSI, G SKA CHUSAF ETAC AIR MEATHER SERVICE/ AC

Dry Bulb Wet Bulb Dew Point

23111 LUKE AFB ARIZD A/PHOENIX
STATION NAME

#### **PSYCHROMETRIC SUMMARY**

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SIATION				51	ATTON NA	ME								11	AKS					M-Q-	410
																		PAGI	E 1	0900 HOURS (	-1100
Temp.						WET	BULB	EMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8								23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
86/ 85					1										.0	• C		2	2		
84/ 83			Ì		İ				'	Ì		1	l	1	1	• •	1	2	2	l	
82/ 81												,1	,1	. 2	1			10	10		<del> </del>
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78/ 77										. 0	. 1	.6	- 4	2 2				33	33		<del> </del> -
76/ 75		}							c			1.0					1	62			1
74/ 73								- 1		.6					•			721	72		<del> </del>
72/ 71					İ		. 1	.1	. 6		1.7	1.3	3	.c	!			128	123		
70/ 69				• (		, 1			7 3		2.0	.8	- 3					160	166		<del> </del> -
58/ 67				• 0		. 2	.6			1.8	1.2			}	}		1	173			1
66/ 65					-,1	-3								<del> </del>				196			<del> </del>
64/ 63					3	1.1	1.7	2.0	1.5	1.6			1	}			l	206			1
62/ 61		<del> </del>		- <u>-</u> 2		1.4	1.5						<del> </del>				<del> </del>	211	211		<del> </del>
60/ 59		.1	.2	. 6		1.5	1.7				1	• •	i	}			i	233			,
58/ 57		. 1		- 5	1.3	1.6	1 7	1.4		, 3	- 0			<del> </del> -	<del>  </del>			197	197		
56/ 55		1		9	Ş		1.7					}	1	}			}	179		t .	
54/ 53												├	<del> </del>	<del> </del>	<del> </del>		<del></del>	140	140		
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50/ 49		1 . 2	- 6		8.	.6 .5	. 8	• 1			<del> </del>	<del> </del> -		<del> </del>				8c			
48/ 47		3	i.			1		1	• •		1	<b>,</b>		}	1 1		Ì	56		1	
46/ 45		.3						- • λ	<del> </del>		<del> </del>		<del> </del>	<del> </del> -			<del> </del> -	31	31		
44/ 43		.2	.1			1			[	1	1	1	1	1	1 !		İ	13			
42/ 41		1 3					• •				<del> </del>	<del> </del>	├	<del> </del>				6			
40/ 35		,1		} -1	) 1	1			1		1	1	i	İ			1	2	2	l	
38/ 37		1					<b> </b> -			<del> </del>	<del> </del>	<del> </del>					<del> </del>	2	2		
36/ 35		1 ~	. 0			.0	}		1	ļ	1	}	}	<b>\</b>			i	1 5	1		
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34/ 33 32/ 31			1	1	!		ĺ		1	}	1	1	}	\ 	1		1	1 1	i '	2	
30/ 29		<del> </del> -	ļ		<b> </b>		<del> </del>		<del> </del>		<del> </del> -			├	<del> </del>		<u> </u>				170
		1	1	1		i	ĺ		1	}	1	1	{	1			1	1 1		١,	
28/ 27		<b> </b>	<del> </del>				<del> </del>			ļ	<del> </del>	<del> </del>	<del> </del> -	<del> </del> -			<del> </del>	<del> </del>		<del> </del>	146
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Rel. Hum.				<u> </u>				<b> </b> -				<u> </u>	<u> </u>	≤ 32 F	≥ 67	<u> </u>	73 F	≥ 80 F	2 93 1	<del>-</del>	Total

42-45,52-72

## **PSYCHROMETRIC SUMMARY**

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USAFETAC FORM 0.26-5 (OL.A)

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DATA PROCESSING PHARCH USAF ETAC AIR WEATHER SERVICE/\*AC

23111 LUKE AFB ARIZONA/PHJENIX 42-45,52-72

#### PSYCHROMETRIC SUMMARY

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USAFETAC 1016. 0.26-5 (OLA)

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DATA PRECESSING FRA CHUSAF ETAC AIR MEATHER SERVICE/FAC

## PSYCHROMETRIC SUMMARY:

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Rel. Hum.			2055	<u></u>	Σχ	.95	27.4	15.4	72		09	= 0		= 32 F	Mean F			h Tempera	rure 293	e ;	Total
Dry Bulb		1166	9436	]	102		70.2	900	102	22	110	= 9	<del>-  -</del>	= 32 F		,6	273 F			<del></del>	1 0101
Wer Bulb			3161		1196	152	31.7	0.0	2/			<del> </del> -	-+		1 00	1,0	37.7	14.		<del> </del>	
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23111 LUKE AFE ARIZGAA/PHOENIX

#### PSYCHROMETRIC SUMMARY

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Temp.						WET	BULB .	TEMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
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96/ 95																	, 1	2	2		
94/ 93							<u> </u>	<u> </u>	<u> </u>								,4	9	<u> </u>		
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88/ 87		1							1		i		.0		• 7			73	73		
86/ 85										<u> </u>		• C	. 4	.9	1.7	1,4	3	112	112		
84/ 83									l	ĺ	. 1	. 1	.6		1.9	. 8			114		
82/ 81								<u></u>			. 2		1,6	2.4	2,3	3			165		
80/ 79		;						1	Į.	.0	.4			3,1		_		196	196		
78/ 77		·						<u> </u>	. (	*****	.6					.0		182	182		
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74/ 73		<del></del>						-1				1.8						191	191		
72/ 71		ĺ					• 3							, -	• •			161	161		
70/ 69						يُ و	يعـــــــــــــــــــــــــــــــــــــ	5			1.2	1.6			<b> </b>		<u> </u>	168	168		
68/ 67		;			• 6	. 1	.3		1.6		1.4	1.0	, 2	ļ				150	15C		
66/ 65						3						<del></del>	<u> </u>	<del> </del>	<u> </u>			126	126		
64/ 63					.0	• 3					9.			!				113	113	8	
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32/ 31				<del> </del>	i	<u> </u>	<del> </del>	<u> </u>		1	T	<u> </u>					1	i			150
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Rel. Hum.												= 0	F	± 32 F	≥ 67	7 4	73 F	₹ 03 •	• 93 F		Total
Dry Bulb				<u> </u>		_						•	<u> </u> _								

POIM O- 0.26-5 (OL A) HIVISTO MITVOUS EDITIONS OF THIS FORM ARE OBSC

USAFETAC PORM 0.26.

Wei Bulb

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DATA PROCESSI & KA CH USAF ETAC AIR MEATHER SERVICE/ AC

FOEM 0.26-5 (OL A)

#### **PSYCHROMETRIC SUMMARY**

23111 LUKE AFB ARIZON A/PHOENIX 42-45, 52-72

STATION STATION NAME

PAGE 2 1500-1700
HOURS (L. S. T.)

Temp.							BULB .											TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 3	0 ≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Poin
28/ 27		1			i			l	i	Ī ——	i —										172
26/ 25		1	l	l	<u> </u>		] .		]	1	Ì	1		l	)	1			]		167
24/ 23					l			i		ļ											152
22/ 21		<u> </u>	<u></u>	<u> </u>	<u> </u>	<u> </u>	l		<u> </u>	l					ł					]	88
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18/ 17			<u> </u>					l		l	l		į	l		1	ĺ	l		į	96
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14/ 13		<u> </u>		<u> </u>				<u> </u>		<u> </u>	<u> </u>		<u> </u>						<u> </u>		47
12/ 11		}	1	}	]	Ì	Ì		1								T				44
10/ 91							<u> </u>			<u> </u>	<u> </u>			<u></u>	<u></u>		J				26
8/ 7					1	1		l	1	1	}	}									28
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Element (X)		Σχ²			Σχ		<u> </u>	<b>₹</b>		No. Ol	1						lours wit	h Tempera	ture		
Rel. Hum.			3278		534	63	23.1	14.8	304		10	± 0	F	≤ 32 F	≥ 67		≥ 73 F	≥ 80 F	≥ 93		Total
Dry Bulb		1253	7067	<u> </u>	1688	17 1	73.1	9.2	112	23	111				70	. 3	51.0	25,	6	. 4	93
Wet Bulb			1562		1209	17 21	52,3	4.7	16		11										93 93 93
Dew Point		228	417	7	904	<u> ( 최 _</u>	29,6	10.5	22	23	111		. 4	55,C						i	93

DATA PROCESSING (44 CHUSAF ETAC AIR NEATHER SERVICE/ AC

## PSYCHROMETRIC SUMMARY

STATION		KE A		51	ATION N	AME	<del></del>			<u></u>	45,3			YC	ARS					MON	
					_													PAG	E 1	1800	=200 . s. t.)
Temp.								TEMPER.										TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew P
94/ 93 92/ 91																1	,1		2		
90/ 69 88/ 87															.0	. 3	.0	10	10		
86/ 85 84/ 83												. ب	.1	.2	. 5 . 8	. 3	.0	26 38			
82/ 81 80/ 79										ن	.1	. 2	1.7	1.0	.4	.2		51 97	51 97		
78/ 77 76/ 75									. (	1 2	1.3	1.2		9				112	112		
14/ 73								.2	1.3	1.0	2.1	2.0					<u> </u>	159 181			
10/ 69						• 1	• 2 • 6	. 3	1.6		2,4	1.3						217	217		
6/ 65					• 1	.2		1.4	1.9	1.8	1.4		••					192	192		
2/ 61	- T	.1		. 2	. 4	. Ú		<del> </del>	1.6	1.6		.0						155		14 50	
18/ 57 16/ 55			.3	.3	. 8	.3			1.1	.5	0							112	112	120 245	
54/ 53 52/ 51		.1	5		, 5		.3	.4	. 2									64 56	64	375 387	
80/ 49 88/ 47		.3	. 6		.0	• 1	. 2	1										37	37	345 255	
6/ 45	• (	,1	<u>. U</u>			. 0	.0										<b>†</b>	8 2	8	229 154	
2/ 41 40/ 39		.0	•0	• 0				1										3	3	56 49	
38/ 37 36/ 35		<u> </u>																		19	1
34/ 33 32/ 31																				2	1
30/ 29 28/ 27																	1			1	1
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el. Hum. Pry Bulb						_			- -		=	£ 0	F	32 F	≥ 67	F	73 F	≥ 80 F	z 93 I		Total
ret Bulb																					
Dew Point								<u> </u>			1				L			<u> </u>			

0-26-5 (OL A) PRINSED MEVIOUS EDITIONS OF THIS FORM ARE OLSOIETE

NFETAC FORM 0.26 5 C

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DATA PROCESSING NA CHUSAF ETAC AIR WEATHER SERVICEZGAC

#### **PSYCHROMETRIC SUMMARY**

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STATION				5	IATION N	AML								YE	LARS			PAG	E 2	1800 Hours (	
Temp.					-	WET	BULB	TEMPER	ATURE	DEPR	ESSION	(F)					<del></del>	TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	
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24/ 23		<del> </del>		<del> </del>		<del> </del>	<del> </del>	<del> </del> -			<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>			<del> </del>		<del> </del>	10
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18/ 17		<del> </del>			<del> </del>		<u> </u>	1	<u> </u>	<del> </del>	1	1		<del> </del>	<del> </del>	<u> </u>	<b></b> -	<del> </del>			8
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14/ 13		1						1										<del>                                     </del>			5
12/ 11		<u> </u>	<u> </u>		]	<u> </u>		<u> </u>	<u> </u>		<u> 1</u>	<u> </u>			<u> </u>		]				2
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8/ 7		<u>]</u>		<u> </u>	<u> </u>			<u> </u>		<u> </u>	<u> </u>	<u> </u>		1	<u> </u>		<u> </u>				1
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Element (X)		Σχ²		<u> </u>	Zx	<u> </u>	<u>                                     </u>	+ •,		No. 0	hs.	<u> </u>		<u> </u>	Hoor	No. of W	loure with	th Tempera	<u></u>		<u> </u>
Rel. Hum.			54095	<del></del>	693	305		17.1	60		311	≤ 0	e	± 32 F	mean ≥ 67		73 F	* 80 F	2 93	E	Total
Dry Bulb			3696		1550			5 6			311			- 32 1			26.0				
Wet Bulb			32542		1160	164	50	2 4.8	114	<u>e</u> ;	311					-	500		٠,	<b>♣</b> ∜—	9
Day Bart			165		1 3 9	56.0	340	7.0	2 4		3 4 4			<u> </u>		<del> </del>		<del> </del>	-		

0.26-5 (OLA) RENSED MENIOUS EDITIONS OF THIS FORM ARE CILEGIE

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DATA PROCESSION 1840CH USAF ETAC AIR MEATHER SERVICE/ 1AC

23111 LUKE AFE ARIZONA/PHOENIX

#### **PSYCHROMETRIC SUMMARY**

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																		PAG	E 1	2100 HOURS (	=2300
Temp.						WET	BULB 1	EMPER	ATURE	DEPRE	SSION (I	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Poin
84/ 83 80/ 79													. 1		.0			1 5	1 5		
78/ 77 76/ 75									. ü	, C	0 3	. 2	,1	,0	• 0			23	9 23		
74/ 73							. 1		. 2	.4	. 6	. 4		.0				43 55	43 55		
70/ 69 68/ 67						.: 2	. 2	. 4	1.3	1.6	1.6	.4	. 3					115 115	115		
66/ 65 64/ 63				• s • S	,1	.1	1.2	1.8	2.4		4	د						168	168 201		
62/61		.1	• U	,3	1.3		1.8		1.6		3	<u> </u>						212 254	212		
58/ 57 56/ 55		.1		. 7	1.1	2.1	2.3			. 1								231	231	20	
54/ 53 52/ 51		. 1	1.0	1.0	1.1		1.4	1.2	• 5	. 1								185	185	163	10
50/ 49 48/ 47		.6	9, 4	1.0	9	1	.6		• C									131	131		37
46/ 45 44/ 43	.0		2		. 3		.1	• 1									<u> </u>	57	57 31		119
42/ 41 40/ 39	<u>ي</u>	1		• 4														12	12	193	150
38/ 37		• •	, C		0_U		- 6 4	*****										2			180
36/ 35 34/ 33																	<del> </del> -			10	154
32/ 31																				3	
28/ 27																		<del> </del>			118
24/ 23									<del> </del> -					<del> </del>	<del>  </del>			<del> </del>		<del>                                     </del>	88
20/ 19																		<del> </del>			5. 6.
16/ 15 Element (X)		Z x 2	L	<del> </del>	z <sub>x</sub>	<del></del>	¥	- ·	<del></del>	No. Ob			L	<u> </u>	<u> </u>	A 46 11		h Tempera	<u></u>	<u> </u>	42
Rel. Hum.		<u>- x ·                                    </u>		<del> </del> -	<u> </u>					No. 00	<del>"·</del> -	10	e	= 32 F	2 67		73 F	> 80 F	2 93	F	Total
Dry Bulb				<del> </del>				<u> </u>				= 0		2 32 F	- 67	<del>`</del>	/3 F	1 - 00 -	<del>-   '''</del>	<del></del>	
Wet Bulb															<del> </del>			<del>                                     </del>	-		
Dew Point								<del>                                     </del>	$\neg$				$\neg \vdash$		1			<del> </del>	-		

ORM 0.26-5 (OLA) REVISED MERICOUS EDITIONS OF THIS FORM ARE DISCRETE

JSAFETAC FORM 0-2

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DATA PROCESSING RRAICH USAF ETAC AIR MEATHER SERVICEZ/AC

23111 LUKE AFB ARIZONA/PHOENIX 42-45,52-72

### **PSYCHROMETRIC SUMMARY**

STATION				5	TATION N	AME								YE	ARS					МО	NTH
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Temp.						WET	BULB	EMPER	RATURE	DEPRE	SSION (	F)						TOTAL	Γ	TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8		11 - 12						23 - 24	25 . 26	27 - 28	29 - 30	* 31	D.B./W.B.	Dry Bulb		Dew P
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8/ 7			<b>\</b>	1	1	1	\	ŀ	}				1	1	<b>\</b>			1	1		1
6/ 5				·	<del> </del>	<del> </del>			<del> </del>	·			<del> </del>		<del></del>	<del> </del>	<del> </del>	<del> </del>			
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TAL	1	2.4	5 4	6.4	4.6	13 3	15.6	15.4	12.0	9 5	5.9	2.2	1 2 0	.1	. 2	1	}		2312	1	23
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DATA PROCESSING ANANOMUSAF ETAC AIR WEATHER SERVICE/AC

23111 LUKE AFB ARIZONA/PHOENIX

## **PSYCHROMETRIC SUMMARY**

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42-46,51-72

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DATA PROCESSI'. AAAACH USAF ETAC AIR WEATHER SERVICE/'AC

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DATA PROCESSING PRANCE USAF ETAC AIR WEATHER SERVICE/ \*AC

#### **PSYCHROMETRIC SUMMARY**

APR

LUKE AFB ARIZONA/PHOSMIX 0300-0500 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 78/ 77 74/ 73 12 12 70/ 69 68/ 67 66/ 65 125 125 177 177 62/ 61 201 201 50/ 59 58/ 57 56/ 55 269 282 269 2.0 3.5 3.0 2.2 282 16 71 299 299 54/ 53 52/ 51 109 187 226 226 191 191 50/ 49 147 137 147 294 48/ 47 340 137 53 46/ 45 83 373 85 44/ 43 42/ 41 84 364 234 135 4C/ 39 38/ 37 175 155 105 180 • 9 36/ 35 50 201 34/ 33 32/ 31 201 204 30/ 29 28/ 27 26/ 25 24/ 23 186 171 155 85; 22/ 21 20/ 19 58 18/ 17 16/ 15 14/ 13 12/ 11 42 29 26 Element (X) Rel, Hum. ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F Dry Bulb Wet Bulb

42-46,51-72

0.26.5

DATA PROCESSING PRANCH USAF ETAC AIR WEATHER SERVICE/ 1AC

#### **PSYCHROMETRIC SUMMARY**

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-72

STATION STATION NAME

42-46,51-72

YEARS

PAGE 2 0300-0500
HOURS (L. S. T.)

| WET BULB TEMPERATURE DEPRESSION (F) | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL Temp (F) 8/ 4.7 6.211.719.921.015.510.5 4.9 2.2 1.1 2366 2366 2366 2366 No. Obs. 42.516.094 56.7 6.604 45.7 4.897 32.6 8.749 4893742 7702643 4995322 Rel, Hum. 267 F 273 F 280 F 293 F 2366 ± 0 F ± 32 F 100644 2366 2366 Dry Bulb 134091 90 Wet Bulb 90 108096 45.2 77094 2366 90

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JSAFETAC FORM 0.26.5 (O) A) #E) 3

DATA PROCESSING KANCH USAF ETAC AIR WEATHER SEKVICE/ AC

### PSYCHROMETRIC SUMMARY

Mean No. of Hours with Temperature

≥ 73 F

± 32 F

- 80 F

≈ 93 F

133 99 81

51 39

23111 LJKE AFB ARIZONA/PHOENIX
STATION NAME 42-46,51-72 0600=0800 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 5 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point Temp. (F) \$2/ 81 80/ 79 78/ 77 76/ 75 74/ 73 72/ 71 21 21 50 70/ 69 81 81 68/ 67 107 107 66/ 65 148 148 204 204 198 62/ 61 197 60/ 59 266 266 58/ 57 233 233 56/ 90 263 263 34/ 206 205 145 52/ 51 247 187 187 48 316 50/ 49 145 145 106 345 48/ 106 339 100 46/ 45 57 57 44/ 43 40 293 132 42/ 48 247 18 18 174 140 40/ 39 38/ 37 183 207

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Wet Bulb Dew Point

USAFETAC NOW

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DATA PRICESSING SKANCH USAF ETAC AIR WEATHER SERVICE/ AC

# PSYCHROMETRIC SUMMARY

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DATA PROCESSING PRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

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DATA PROCESSI 1 MANCH USAF ETAC AIR MEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

LUKE AFE ARIZONA/PHOENIX 42-46,51-72 C900-1100 PAGE 2 Temp. (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 . 2 | 3 . 4 | 5 6 | 7 . 8 | 9 . 10 | 11 . 12 | 13 . 14 | 15 . 16 | 17 . 18 | 19 . 20 | 21 . 22 | 23 . 24 | 25 . 26 | 27 . 28 | 29 . 30 | x 31 | D.B. W.B. Dry Bulb | Wor Bulb | Dew Point 24/ 23 108 22/ 21 20/ 19 18/ 17 16/ 15 14/ 13 12/ 11 59 29 35 10/ 8/ 6/ 4/ 3 -2/ -3 3 6.2 8.612.214.614.814.110.3 7.3 3.d TOTAL 2366 2366 2366 <u>X</u> No. Obs. Mean No. of Hours with Temperature 28.213.030 71.0 8.153 52.7 4.901 2366 2366 63.9 39.9 2289355 66833 - 80 F 1 32 F = 0 F 12075124 90 90 Dry Bulb 167922 2366 2366 Wet Bulb 6635545 124761 2577109 80985 34.2 9.313 39.1 90

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LUKE AFB ARIZONA/PHOENIX

## **PSYCHROMETRIC SUMMARY**

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### **PSYCHROMETRIC SUMMARY**

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23111 LUKE AFB ARIZGNA/PHOENIX 42-46,51-72

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DATA PROCESSI & 'KA 'CH USAF ETAC AIR WEATHER SERVICE/ AC

### PSYCHROMETRIC SUMMARY

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DATA PROCESSIAS MRANCH USAF ETAC

### **PSYCHROMETRIC SUMMARY**

Mean No. of Hours with Temperature

83.6 73.0 1.0

≤ 32 F

: 0 F

≥67 F | ≥73 F | ≥80 F | ≥93 F

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0.26.5 (OL A) RIVISED MEYIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

Element (X)

Rel. Hum.

Dry Bull

Wet Buib Dew Point

ne numerous services and numerous of the

17.311.180 81.4 7.261 35.9 4.726 30.6 9.693

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DATA PRUCESSION RA CHUSAF ETAC AIR WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

Temp							WET	BULB '	TEMPER	ATURE	DEPRE	SSION	(F)						TOTAL		TOTAL	
(F)		0	1 - 2	5 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	5 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
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DATA PROCESSING MANCHUSAF ETAC AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-72 APR 3 PAGE 2 1800-2000 HOURS (L. S. T.)

Temp,							BULB 1											TOTAL		TOTAL	
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22/ 21 20/ 19		1		I	1					i				1	l	i					87
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FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OMOUFTED.

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DATA PROCESSING CARRON
USAF ETAC
AIR MEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

≥ 67 F = 73 F = 80 F = 93 F

LUKE AFB ARIZONA/PHOENIX 42-46,51-72 APR 2100-2300 PAGE 1 Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 88/ 87 36/ 85 84/ 83 18 82/ 81 80/ 79 1.7 3.1 .1 60 60 78/ 77 97 76/ 75 74/ 73 153 153 219 219 3.1 72/ 71 2.2 217 217 70/ 69 263 263  $\frac{1.2}{2.1}$ 68/ 67 . 2 217 217 66/ 65 256 256 2.9 64! 63 200 200 62/ 61 60/ 59 156 156 •1 .5 151 1.9 151 58/ 108 5? 135 108 14 55 238 36/ 1.1 . 1 92 • 7 341 419 372 54/ 53 46 46 52/ 51 50/ 49 33 35 32 26 48 42 76 48/ 47 329 8 • 0 200 46/ 45 117 126 44/ 43 •0 124 42/ 41 40/ 39 38/ 37 69 35 11 118 165 206 176 36/ 35 34/ 33 32/ 31 201 30/ 29 231 28/ 27 26/ 25 24/ 23 208 176 118 22/ 21 90 Element (X) No. Obs.

± 0 F

FOLM 0.26-5 (OL A) TENSED MENOUS EDITION

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USAFETAC FOUR D.

Rel. Hum.

Dry Bulb Wet Bulb DATA PROCESSING PRANCH USAF ETAC AIR WEATHER SERVICE/MAC

0.26.5 (OL

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LUKE AFB ARIZONA/PHOENIX

#### PSYCHROMETRIC SUMMARY:

2100+2300 . PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp (F) TOTAL 1 . 2 | 3 . 4 | 5 . 6 | 7 . 8 | 9 . 10 | 11 . 12 | 13 . 14 | 15 . 16 | 17 . 18 | 19 . 20 | 21 . 27 | 23 . 24 | 25 . 26 | 27 . 28 | 29 . 30 | 2 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 20/ 19 59 18/ 17 16/ 15 36 <u>26</u> 14/ 13 12/ 11 10/ 9 8/ 7 6 5 6/ 3 4/ 0/ -1 74/ -5 1.6 1.8 2.2 4.6 6.812.816.217.115.310.5 6.5 2.5 TOTAL 2369 2369 2369 2369 No. Obs. Mean No. of Hours with Temperature Element (X) 267 F 273 F 280 F 293 F 2654502 71642 30,214,355 2369 Rel. Hum. = 0 F ± 32 F 67.0 7.384 50.5 4.643 32.6 9.201 158783 119662 90 90 10771589 22.3 Dry Bulb 2369 48.8 3.1 6095358 2713313 2369 2369 Wet Bulb 90 46.5 Dew Point 77155

42-46,51-72

DATA PROCESSING PRANCH USAF ETAC AIR WEATHER SERVICE/MAC

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-72

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																		IMU		HOURS (	<u>≠0200</u>
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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

FORM 0.26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE ORSOLETE

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DATA PROCESSING RALCH USAF ETAC AIR WEATHER SERVICE/"AC

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72/ 71				٠٤		.0		- 4	- 6		2.1	1.0	.1					151	151 252		
68/ 67			• 0	• 0	.0		.6	1.4	2.8	3,1	2.0	. 2						263	263	1	
66/ 65		• 1	.1	•0	, 1	• 7	1.2	3.0	2.9	1.4	. 4	• 0						308 245	308 245	15	1
62/61		•1	, 2		<u>, 2</u>	1.0	2.0	3.3	2.3	, 6								251	251 22d	49	7
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34/ 33					-															i	247 254
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26/ 25														<u> </u>							139
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Wet Bulb Dew Point																		<del> </del> -	<del> </del>		
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DATA PROCESSING SRAECH USAF ETAC AIR WEATHER SERVICE/ AC

### PSYCHROMETRIC SUMMARY.

LUKE AFB ARIZONA/PHOENIX	42-46,51-72	YE ARS		MAY
·			PAGE 2	0300=0500
WE ( BULB TEMP	PERATURE DEPRESSION (F)		TOTAL	TOTAL
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DATA PROCESSING PRANCH USAF ETAC AIR REATHER SERVICE/"AC

## PSYCHROMETRIC SUMMARY

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DATA PRECESSING TRANCHUSAF ETAC AIR MEATHER SERVICE/MAC

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-72

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**PSYCHROMETRIC SUMMARY** 

DATA PRUCESSI G PRA CH USAF ETAC AIR MEATHER SERVIÇE/PAC

### BILL LUKE AFB ARIZOMA/PHOENIX 42-46,51-72 MAY

STATION NAME YEARS PAGE 1 0900-1103

WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 . 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | z 31 | D.B W.B. Dry Bulb Wet Bulb Dew Point (F) 102/101 100/ 99 98/ 97 15 39 15 39 96/ 95 94/ 93 92/ 91 1.3 2.2 2.6 46 97 46 96 1.7 2.8 3.4 2.6 1 9 90/ 89 158 178 1.6 2.9 3.0 3.1 2.0 88/ 87 222 222 1.6 3.0 3.7 86/ 85 249 .2 84/ 83 261 261 82/ 81 80/ 79 241 241 264 264 1.8 2.5 78/ 77 • d 9 193 76/ 75 183 183 74/ 1.0 1.2 .2 127 1,3 127 72/ 71 126 87 53 70/ 69 87 68/ 67 53 66/ 65 .1 ,4 47 63 • 0 64/ 63 34 141 34 271 414 62/ 15 61 . 1 60/ 59 587 37 495 • 1 36/ 55 434 54/ 53 317 25 52/ 51 173 44 507 58 49 48/ 79 467 45 121 44/ 43 164 42/ 41 40/ 39 38/ 37 181 239 242 36/ 35 233 Zx' No. Obs. •, Mean No. of Hours with Temperature Element (X) ₽ 93 F Rel. Hum. 2 0 F ± 32 F ≥ 73 F ≥ 80 F Dry Bulb Wet Bulb Dew Point

DATA PROCESSING NRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY:

23111 LUKE AFB ARIZONA/PHOENIX PAGE 2 TOTAL WET BULB TEMPERATURE DEPRESSION (F)

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DATA PROCESSING BRAICH USAF ETAC AIR MEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

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FORM 0-26-5 (OLA)

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DATA PROCESSING SRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-72
STATION NAME
YEARS
MAY

PAGE 2 1200-1400

Temp.							BULB 1											TOTAL		TOTAL	
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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

LUKE AFB ARIZONA/PHOENIX

### PSYCHROMETRIC SUMMARY

MAY 1500-1700 HOURS (L. S. T.) PAGE 1 Temp. (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 1-2 3-4 5-6 112/111 110/109 108/107 106/105 17 17 1.6 3.4 6,5 8.3 104/103 46 102/101 88 100/ 99 98/ 97 166 223 166 223 ,711,2 ,9 8,7 • ó 96/ 95 315 94/ 93 259 259 92/ 91 1.6 2.3 3.2 2.4 8,2 271 271 211 90/ 89 87 177 88/ 86/ 85 130 84/ 83 130 130 82/ 91 122 80/ 79 78/ 77 85 56 35 1,0 56 55 32 76/ 75 55 74/ 73 71 32 17 17 17 70/ 69 ·i 2 15 68/ 67 . 2 66/ 65 373 64/ 63 .0 508 475 62/ 61 59 60/ 58/ 57 56/ 55 371 227 124 8 54/ 53 52/ 51 50/ 49 26 36 51 48/ 47 46/ 45 No. Obs. Mean No. of Hours with Temperature 267 F 273 F 280 F 293 F Rel. Hum. ±0 F ≤ 32 F Dry Bulb Wet Bulb Dew Point

42-46,51-72

DATA PROCESSING PRANCH USAF ETAC AIR WEATHER SERVICE/MAC

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### PSYCHROMETRIC SUMMARY:

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23111 LUKE AFB ARIZONA/PHOENIX
STATION NAME 42-46,51-72 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 ≥ 31 DB. W.B. Dry Bulb Wer Bulb Dew Point Temp. (F) 44/ 43 42/ 41 73 98 40/ 39 143 213 38/ 37 36/ 35 238 34/ 33 300 32/ 31 291 30/ 29 252 165 28/ 27 26/ 25 24/ 23 22/ 21 20/ 19 18/ 17 151 106 23 37 16/ 1,5 30 13 30 12/ 11 16 3 12 8/ 4 3 0/ -1 1 -42/ -- 3 TOTAL <u>.5 1.11 1.6 2.7 4.8 7.210.113.157.6</u> 2494 2494 2494 2494 70 E Element (X) No. Obs. Mean No, of Hours with Temperature 13.8 7.078 2494 267 F | 273 F | 280 F | 293 F 598714 34376 10 F ≤ 32 F Rel. Hum. 90.7 8.127 60.0 3.974 32.5 8.545 2494 2494 2494 226280 149736 90.7 Dry Bulb 20694986 92.5 83.9 43.4 Wer Bulb 9029292 93

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DATA PROCESSING BRADCH USAF ETAC AIR WEATHER SERVICE/MAC

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

LUKE AFB ARIZONA/PHOENIX 1800=2000 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F)

1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 - 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 2 31 D.9. W.B. Dry Bulb Wet Bulb Dew Poin (F) 42/ 41 40/ 39 98 149 38/ 37 36/ 35 193 260 34/ 33 284 205 32/ 31 30/ 28/ 27 170 26/ 25 161 111 77 22/ 21 45 34 20/ 19 18/ 17 16/ 20 14 15 14/ 13 10/ 10 8/ 12 3 6/ 5 4/2/ 3 2497 TOTAL 2.0 3.6 6.6 8.811.913.916.333.3 2496 1.1 2497 2497 Mean No. of Hours with Temperature Element (X) **7**x No. Obs. 833636 2497 16.1 8.637 40208 ≥ 73 F ≥ 80 F ≥ 92 F Rel. Hum. 10 F ± 32 F ≥ 67 F 86.1 8.364 58.3 4.021 32.6 8.361 18682948 8517357 86.9 Dry Bulb 213020 2498 93 145489 93 2497 Wet Bulb Dew Point 81287 46.1 93

42-46,51-72

0.26.5 (OL A)

DATA PROCESSING RANCH USAF ETAC AIR MEATHER SERVICE/"AC

#### **PSYCHROMETRIC SUMMARY**

LUKE AFB ARIZONA/PHOENIX 42-46,51-72 MAY 2100-2300 PAGE 1 Temp (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 . 2 | 3 . 4 | 5 . 6 | 7 . 8 | 9 . 10 | 11 - 12 | 13 . 14 | 15 . 16 | 17 . 18 | 19 . 20 | 21 . 22 | 23 . 24 | 25 . 26 | 27 . 28 | 29 . 30 | 2 31 | D 8. W.B. Dry Bulb | Wet Bulb | Dew Point 98/ 97 96/ 95 94/ 93 18 24 92/ 91 24 90/ 89 1,0 64 70 64 88/ 87 70 138 86/ 85 84/ 83 138 182 182 2.7 254 82/ 81 , 4 . 1 254 80/ 79 78/ 77 309 309 1,5 292 242 •2 292 76/ 75 3.2 2.8 242 2.4 1.2 210 177 74/ 73 210 1.2 177 72/ 71 70/ 69 157 123 68/ 67 123 86 66/ 65 10 86 53 64/ 63 53 44 62/ 61 44 17 139 • 1 60/ 59 235 11 58/ 57 . 1 • 1 402 56/ 55 491 . d 18 34/ 53 . 1 454 51 342 52/ 2ó 50/ 127 48/ 47 118 51 43 72 46/ 45 79 44/ 43 120 42/ 41 40/ 39 195 38/ 37 208 36/ 35 225 34/ 33 251 32/ 31 240 Element (X) No. Obs. Moon No. of Hours with Temperature : 32 F 267 F | 273 F | 280 F : 0 F ≥ 93 F Tatal Dry Bulb Wet Bulb Dew Point

DATA PROJESSING PRAICH USAF ETAC AIR WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

LUKE AFB ARIZONA/PHOSNIX 42-46,51-72

PAGE 2

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DATA PROCESSING SRANCH USAF ETAC AIR WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

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## PSYCHROMETRIC SUMMARY

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DATA PROCESSING RRAICH USAF ETAC AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

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DATA PROCESSING RANCH USAF ETAC AIR WEATHER SERVIÇE/MAC

# PSYCHROMETRIC SUMMARY

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ement (X)			3095	<del> </del> -	~ X	179	30.3	11.1	08		82	± 0	E	≤ 32 F	Mean ≥ 6		2 73 F	h Temper		F	Total
y Bulb		1287	7239	7	174	79	73.2	7.	137		82		<del>`</del>	- 32 1		3.1	46.9			• a_	
t Bulb			1978		1316		55.	5.	715		82					4.2		1			
w Point			23491		926			9,9			182			23.		.6		1			

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JUN

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### PSYCHROMETRIC SUMMARY

LUKE AFB ARIZONA/PHOENIX
STATION NAME 0600#0800 PAGE 1 Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL 3 . 4 | 5 · 6 | 7 · 8 | 9 · 10 | 11 · 12 | 13 · 14 | 15 · 16 | 17 · 18 | 19 · 20 | 21 · 22 | 23 · 24 | 25 · 26 | 27 · 28 | 29 | 30 | 7 · 31 | D.B. W.B. Dry Bulb Wet Bulb Dew Point 96/ 95 94/ 93 92/ 91 90/ 89 28 28 53 53 8 109 88/ 87 . A 109 • 1 86/ 85 84/ 83 127 127 174 206 174 • 2 82/ 81 206 80/ 79 78/ 77 2.1 219 219 215 1.9 757 75 74/ 73 231 231 2.0 2.0 1.9 1.6 2.5 217 175 72/ 71 70/ 69 217 175 137 68/ 67 137 97 97 66/ 65 64/ 63 •2 . 1 63 63 123 23 43 62/ 61 43 193 24 258 313 60/ 59 -3 50 28 28 58/ 57 56 367 63 320 54/ 53 78 52/ 51 269 67 50/ 49 154 97 127 46/ 45 33 136 44/ 157 42/ 41 190 40/ 39 198 217 37 38/ 197 187 36/ 35 34/ 33 32/ 31 160 30/ 29 122 No. Obs. Mean No. of Hours with Temperature Element (X) Rel. Hum. Dry Bulb Wet Bulb

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LUKE AFB ARIZONA/PHOENIX

## **PSYCHROMETRIC SUMMARY**

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																			E 2	0600 HOURS (	L. S. T.)
Temp.		, , , ,					BULB '						r==				-1	TOTAL		TOTAL Wet Bulb	10 0
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 3	0 > 31	D.B. W.B.	Dry Bulb	Wet Bulb	
28/ 27 26/ 25																					5
26/ 25 24/ 23 22/ 21																					3 2
22/ 21 20/ 19 18/ 17 16/ 15																					1 1
16/ 15																	1		<del> </del>		238
14/ 13 DTAL		. 1	.3	• :		1.3	3.6	8.4	13.6	16.4	18.9	15.3	10.1	6,6	3.1	1.	1 .3		2382		236
														<u> </u>			1	2382		2382	
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	<u></u>																<u> </u>				
}																			l		
Clement (X)		Σχ2			Σχ		X	10.8		No. O					Mean	No. of	Hours wit	h Tempera			
Rel. Hum.			303:		706	19	29.0	10.6	333		82	<b>≠</b> 0	F	≤ 32 F	≥ 67		2 73 F	≥ 80 F			Total
Dry Bulb			20247			229	76.	7.4	442		82				80	).6	60.6	31	2	5	
Wet Bulb		783	39874		135	8C	97	U 5.6	96	23	182				- 6	.6					
Dew Point		417	76532	kk	969	380	40.	9.8	140	2:	382			18.2	1	.6			1		

42-46,51-72

## PSYCHROMETRIC SUMMARY

23111 LUKE AFB ARIZONA/PHOENIX
STATION NAME 42-46,51-72 0900-1100 HOURS (L. S. T.) PAGE 1

Temp.						WET	BULB	FEMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.8./W.B.	Dry Bulb	Wet Bulb	Dew Point
106/105		Ī		Ī										[			.6	14	14		
104/103		1	]	]						]	Ì	] ]		i i	]	عف_	3 . 8	21	21	]	]
102/101		1		i						l					• 1	, ]	2,4	61	61		
100/ 99							l .				ĺ			l .d		. 4	3.2		95		
98/ 97			1							<u> </u>		• 0		.3		1.2			151		
96/ 95	Ì	1	1	l		)	1	Ì		1	Ì	1 .3			1.3	1.3	4.2	19d	19d	)	1
94/ 93					<u> </u>				·	.(	. 2					2.6	3,8		238		
92/ 91	}		j	ì	Ì	) '	Ì	1		) e	1				2.1	2,6	3.4		269	)	1
907 89		<del> </del>	<del>                                     </del>				<del></del>	l	,1			7		4 7		3.	1,5		287		i
88/ 87	İ	1			i	!	١.,	.1	Ź			.5		2.2	2.8	3.2.2			234		i i
86/ 85	<del> </del>	1	<del> </del>	1		<b></b>	. 1		- (	<del>}</del> ;		. 3	1.0						207		
84/ 83	)	}	}	1	1	1		ı			1 1	a		1.9				154	155	1	/ <b>i</b> '
82/ 81	<del> </del>	<del> </del>		1		.1		, 1				• 7	2.	1.7	.3		1	143	144		
80/ 79	ì	1		1		,1						1,3	2.	d .8			)	119	119	ļ	i i
78/ 77	1	1	<u> </u>	. 0			, 1					1.1					1	79	80		
76/ 75	1	ļ	1		1	ي ا	.0	1			, 6	1.0					Į.	59	59	5	<b>(</b>
74/ 73	i		1	•0	1		1	• 0						<del>,</del>			1	33	33	36	
72/ 71	Ì	]	]	1	] .)				٠.		<b>1</b> (1)			Ì	] }		ì	14	14	65	[ ]
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68/ 67		1	ì		1	]		1		Ú .	1		]	1	l i		1	1 4	.4	179	
66/ 65		1	<del> </del>	1	1	1	1	.(	<del></del>	1	1						1	1	l l	255	В
64/ 63	ì	i	1		ì	)	)			1	1	1		1	1 1		1	1 1	Ŋ	333	
62/ 61	1	1	1	1	1	1	1	1	1			T								372	34
60/ 59	ļ	l	Į.	Į.		Į	Į.	Į	l		į .	ļ					l		1	424	34
58/ 57	1	1		1	1		1													335	58
56/ 55		t	[	Į	1	Į	Į	1	l	į .	l .			1	[]		1	1	l	157	1 '73
54/ 53	1	T-					1	Ţ				1								64	71
52/ 51			<u>l</u>	<u></u>	<u></u>	<u>L</u>	<u></u>	<u>L</u>	<u></u>	<u></u>	<u> </u>				]		<u>L</u>	<u> </u>	]	11	
50/ 49			Ĭ							}	1						1			1	112
48/ 47						<u> </u>		<u>L</u>	<u> </u>		<u>L</u>				L						116
46/ 45		1										1								<del></del>	160
44/ 43	1	<u></u>		J		<u> </u>				<u></u>											172
42/ 41										1			[								206
40/ 39	1			<u> </u>	<u>L_</u>	<u> </u>				<u> </u>					<u></u>			<u> </u>		L	187
Element (X)		Σχ¹			Σχ		X	0,		No. O	bs.				Mean t	to. of t	lours wi	th Temperat	ure		
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Wet Bulb															<u> </u>	Ĺ_					
Dew Point								i											1	1	

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DATA PROCESSING BRANCH USAF ETAC AĮŖ WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

STATION				•	ALIUN N	AME								,,,	AKS					MU	A + P
																		PAG	E 2	0900 HOURS (	)-110
Temp.						WET	BULB 1	TEMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
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8/ 27						<u> </u>				<u> </u>					L		<u> </u>		<u></u>		
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I. Hum.			12178	<b>}</b>	~ X	956	30 '	8,	100		379		- 1	- 20 5				<del></del>		<del></del>	Tital
							2012		274			10	<u>-                                    </u>	± 32 F	267		≥ 73 F	> 80 F	2 93		Total
y Bulb			1980		211	900	58.5	7.0	153		382				1 8,	9.9	89.		<u>, o 29</u>	9.1	10.01
et Bulb		92	11424	1	1470	530	62,	4.	593	.2:	379				1 10	5,2	1'.	¥	1	L	

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USAFETAC POM 0.26-5 (OLA)

# PSYCHROMETRIC SUMMARY

Z3111 STATION	<u> </u>	JKE A	AFB A	ARIZ	TATION I	PHOE	NIX			42	-46,	51 <del>-7</del>	2		YEARS						JUN
					<del></del>													PAG	E 1	1200	0+140
Temp. (F)	0	1 - 2	1 2 4	T	T	WE:	BULB	TEMPE	RATUR	E DEPR	ESSION	(F)						TOTAL		TOTAL	
116/115	<u> </u>	1.2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 10	5 17 - 1	8 19 - 2	0 21 - 2	23 - 2	4 25 - 2	6 27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wes Bulb	Dew Por
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12/111					<del> </del>	<del> </del>	<del> </del>	<del> </del>		<del> </del>	_						. 3	8	8		
10/109			,				Į.	İ		ł	1	1	1				1,0	24	24		<del>                                     </del>
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04/103					<del> </del>	<del> </del>	<del> </del>	ļ	<u> </u>	<u> </u>				_		<u>, 1</u>	5,3	128	128		ļ
02/101						1		İ	1			1		Ţ		, 3	8,6	211	211		<del>                                     </del>
00/ 99							ļ	<del> </del>	<b> </b>	<del> </del> -				q	<u>.</u> . d	. 3	8.6	214	214	İ	1
98/ 97						]	1			1		1 -	•	<b>q</b> .:	2 .5	, 9	9.3	259	259		<del> </del>
96/ 95		<del>  </del>			<del> </del>		<u> </u>	<u> </u>		<u> </u>		1		3 .:	8. 🖺	7	10.1		291		
94/ 93					1			1		1	•			3 .	8.	1,1	7,8	254	254		<del> </del>
92/ 91						ļ	<del> </del>					. 2		3 .3	9	1.7	4.9	196	196		
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82/ 81		- 1	- 1					۰,۵	. 1			0.0	•	7	1,1			60	61		
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64/ 63														]					ļ	399	9
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50/ 59																- 1		ĺ	- 1	390	23
58/ 57	ł	j		j		ĺ		1												290	28
36/ 35		-																	1	144	34
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52/ 51		-	-													-		į	ı	6	77
50/ 49	ı	- 1				l	i	1	į								<del> </del> -			<del>- 1</del>	74
lement (X)		X2												L		- 1	ļ			1	102
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et Bulb																		_ <u></u>	7.7	<del>                                     </del>	
ew Point													$\Box$								
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23111 LUKE AFB ARIZONA/PHOENIX
STATION NAME

#### **PSYCHROMETRIC SUMMARY**

JUN

1200-1400 PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL D.B. W.B. Dry Bulb Wet Bulb Dew Point (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 48/ 47 46/ 45 111 123 155 182 44/ 43 44/ 43 42/ 41 40/ 39 38/ 37 36/ 35 34/ 33 246 199 228 196 32/ 31 30/ 29 28/ 27 136 127 67 25/ 25 59 24/ 23 22/ 21 20/ 19 18/ 17 38 24 9 25 18/ 17 16/ 15 14/ 13 12/ 11 10/ 9 10 0/-=1 TOTAL 2382 2379 2379 No. Obs. Mean No. of Hours with Temperature 2379 267 F 2 73 F 2 80 F 2 93 F Rel. Hum. 649731 35811 15,1 6,822 22370668 9855435 23C180 152787 96.6 7.322 64.2 4.251 2382 2379 90.0 26.0 89.9 90 90 Dry Bulb Wet Bulb Dew Point 39.5 9.782 90

المالي الماري الرايان والمهايوان ووويد يبط يايون ليبيني المهويتينية الرايان المستويد

42-46,51-72

245 OF THIS FORM ARE OBSOLETE

FORM 0.26-5 (OLA) HVISTO PILVOUS TOTIONS OF

JSAFETAC FORM

LUKE AFB ARIZONA/PHOENIX

23111 STATION

#### **PSYCHROMETRIC SUMMARY**

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42-46,51-72

USAFETAC FORM 0.26-5 (OLA)

4 18

DATA PROGESSING RANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

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## PSYCHROMETRIC SUMMARY

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DATA PROCESSING ERANCH USAF ETAC AIR WEATHER SERVICE/MAC

23111 LUKE AFB ARIZONA/PHOENIX

## PSYCHROMETRIC SUMMARY

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42-46,51-72

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R. B. USAFETAC №

#### PSYCHROMETRIC SUMMARY

LUKE AFB ARIZONA/PHOENIX 42-46,51-72 2100-2300 PAGE 1 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 (F) D.B. W.B. Dry Bulb Wet Bulb Dew Point 106/105 2 6 12 37 104/103 12 37 5 100/ 99 62 119 63 119 98/ 97 96/ 95 163 202 94/ 93 163 92/ 91 202 3.4 90/ 89 265 256 265 88/ 87 256 275 204 86/ 85 1.6 1.7 2.2 2.7 2.8 . 2 204 82/ 81 80/ 79 78/ 77 76/ 75 74/ 73 202 202 183 183 1.0 2.1 1.0 • 0 148 148 » Ü 104 104 65 36 65 36 • 1 72/ 71 93 137 140 260 70/ 69 • û 68/ 67 66/ 65 64/ 63 62/61 315 411 21 58/ 57 56/ 55 26 44 397 313 178 54/ 53 52/ 51 64 78 77 77 50/ 49 48/ 47 46/ 45 44/ 43 20 81 136 145 151 42/ 41 203 Zx, No. Obs. Element (X) Mean No. of Hours with Temperature Rel. Hum. 10F ± 32 F ≥ 73 F ≥ 80 F ≥ 93 F Total Dry Bulb Wet Bulb

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(OLA) RIVISO PREVIOUS EDITIONS OF THIS FORM AN

USAFETAC FORM 0.26-5

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

LUKE AFB ARIZONA/PHOENIX 42-46,51-72 YEARS 2100-2300 PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 15 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wer Bulb Dew Point 218 218 192 38/ 37 36/ 35 34/ 33 32/ 31 164 162 106 32/ 31 30/ 29 28/ 27 26/ 25 24/ 23 22/ 21 20/ 19 18/ 17 16/ 15 14/ 13 12/ 11 10/ 9 8/ 7 80 48 45 16 24 €. €. 14 10 3 2 6/ TOTAL • 4 6.210.214.317.016.914.314.5 2385 2384 2385 2385 Š 0.26.5 Element (X) No. Obs. Mean No. of Hours with Temperature 20.0 8.879 85.7 6.957 59.9 4.780 38.210.069 1144612 47750 2383 ≥67 F | ≥73 F | ≥80 F | ≥93 F Rel. Hum. 10F ± 32 F 2385 2385 2384 17618214 8621760 204314 142944 Dry Bulb 89.8 87°.0 90 90 90 Wet Bulb 10.2 Dew Point 3724284

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#### PSYCHROMETRIC SUMMARY:

LUKE AF8 ARIZONA/PH TNIX 42-46,51-72 0000-0200 HOUPS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B. W.B. Dry Builb Wet Builb Dew Poin (F) 102/101 100/ 99 16 67 98/ 97 .1 96/ 95 118 255 115 255 94/ 93 92/ 91 2.3 90/ 89 391 392 88/ 87 366 366 86/ 85 372 372 84/ 83 281 281 82/ 81 202 202 80/ 79 78/ 77 76/ 75 138 138 96 80 40 12 96 32 74/72/ 202 21 481 66 70/ 616 304 67 68/ 66/ 63 215 183 64/ 63 158 223 255 141 62/ 61 60/ 59 58/ 57 56/ 55 220 189 162 54/ 53 32/ 51 122 108 49/ 47 96/ 45 44/ 43 42/ 41 40/ 39 6<u>3</u> 53 11/317 35 Mean No. of Hours with Temperature USAFETAC 10F 1 32 F z 67 F | z 73 F | × 80 F | × 93 F

LUKE AFB ARIZONA/PHOENIX

## **PSYCHROMETRIC SUMMARY**

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42-46,51-72

FORM 10.26-5 (OL A) REVISED MENDONS EDITIONS OF THIS FORM ARE ORGORITE

USAFETAC

#### PSYCHROMETRIC SUMMARY

LUKE AFB ARIZONA/PHOENIX 42-46,51-72 0300=0500 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 100/ 99 98/ 97 • q 96/ 95 94/ 93 92/ 91 90/ 89 40 152 251 383 40 ,9 , 4 152 88/ 87 2.7 2,2 .2 251 383 86/ 85 3.1 2.U 4.4 347 847 83 348 82/ 81 338 338 80/ 79 77 2.1 326 326 78/ 208 208 75 73 71 767 . 2 151 151 102 130 19 102 727 47 32 387 64 47 • 0 . 2 597 333 70/ 69 32 128 68/ 67 136 230 254 249 66/ 65 239 63 . 0 164 62/ 61 60/ 59 121 206 145 57 105 36/ 55 54/ 53 66 145 64 103 52/ 51 114 30/ 49 90 48/ 47 80 82 43 62 56 40/ 39 28/ 37 54 32 36/ 35 40 34/ 33 33 No. Obs. Element (X) Mean No. of Hours with Temperature Rel. Hum. ±0 F ≤ 32 F Dry Bulb Wet Bulb Dew Point

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(OL. A) IEVISED PREVIOUS EXTROMS OF THIS FORM ARE DISCUSTE

USAFETAC FORM 0-26-5 (OL

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

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Temp.						WET	BULB	TEMPER	ATURE	DEPRE	SSION (	F)						TOTAL	<del></del>	TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8			13 - 14					23 - 24	25 - 26	27 28	29 - 3	0 + 31	D.B. W.B.	Dry Bulb		Dew P
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Element (X)		Σχ²	t		Σχ		X	<b>7</b> ,		No. Ob				<del></del>	Mean i	No. of	Hours wit	h Tempera	ture		
Rel. Hum.			9766		1086		45.1	17.0	91		12	± 0	F	≤ 32 F	≥ 67		≥ 73 F	≥ 80 F			Total
Dry Bulb			8615		1978		82.0	3.0	63		13					.6	89,2	65,	9	• 6	
Wet Bulb			9514		160			5.4			12		_			.7	5,9				
Dew Point		802	7652	1	1369	316	56.6	10.4	97	24	12			2.6	1.4	. 3	, £	<b>3</b>			

(OL A) REVISEO PREVIOUS EDITIONS OF THIS FORM ARE CIRCORETE

AFETAC FORM

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DATA PROCESSING BRAGCH USAF ETAC AIR WEATHER SERVICE/MAC

LUKE AFB ARIZONA/PHDENIX

#### PSYCHROMETRIC SUMMARY

0600 ≠0800 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 D.B. W.B. Dry Bulb Wet Bulb Dew Point (F) × 31 96/ 95 94/ 93 92/ 91 118 233 118 2 1.0 90/ 89 88/ 87 3.1 . 3 1.4 327 327 1.2 86/ 85 376 376 1.2 84/ 83 354 354 82/ 81 80/ 79 78/ 77 343 343 256 173 1.4 1.5 256 173 1.7 .7 76/ 75 74/ 73 72/ 71 70/ 69 8 122 55 58 257 .0 . 2 .2 .3 . 7 122 . 5 55 24 72 67 489 546 . 1 .2 .3 Š • q 29 29 330 219 197 237 68/ 67 . 2 66/ 65 154 291 64/ 63 259 62/ 61 60/ 59 109 223 58/ 57 56/ 55 54/ 53 156 133 106 94 54 40 52/ 51 50/ 49 102 88 48/ 47 46/ 45 71 51 64 44/ 43 42/ 41 41 39 .44 36 40/ 38/ 37 .29 22 36/ 35 34/ 33 32/ 31 30/ 29 24 No. Obs. Mean No. of Hours with Temperature Element (X) 267 F | 473 F | 280 F | 293 F Rel. Hum. ± 0 F ≤ 32 F Total Dry Bulb Wet Bulb Dew Point

42-46,51-72

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A) REVISED MEVIOUS EQUICANS OF THIS FORM ARE OUNO

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DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

23111 LUKE AFB ARIZO
STATION

FOEM 0.26-5 (OL A)

USAFETAC

# PSYCHROMETRIC SUMMARY

23111 LUKE AFB ARIZONA/PHOENIX 48-46,51-72

STATION STATION HAME

PAGE 2 0600 → 0800

HOURS (L. S. T.)

Temp.						WET	BULB	TEMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
28/ 27 26/ 25																					5 4
26/ 25 24/ 23 22/ 21 TOTAL																					3
ΓΦΤΑΙ		. 5	2.2	3,7	4.1	5,8	9.2	11.5	14.6	13.7	13,1	9.0	7.2	3,5	1.4	. 4	. 2	2490	2491	2490	2490
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Rel. Hum.			5512	<del> </del>	110	700		15.9	549		490	± 0	F	≤ 32 F	≥ 62		73 F	* 80 F	. 93	F	Total
Dry Bulb	<del> </del>		5267		208	108	83.	5.	68		91						90			2.8	93
Wet Bulb	l	114	1201	3	1680	566	67.	5.	233	2	90					3.d	12.		<u> </u>		93
Dew Point			17890		144		58.0	9.0	45	2	490			1.9		7.3	1.0				93

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

STATION				51	ATION N	AME					1000			YE	ARS					MON	eTH
																		PAGE	1	0900 HOURS (L	-1100
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102/101										<u> </u>			, 2	. 2	. 8	8	2,4	109	110		
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96/ 95		<del> </del> -					<u> </u>			• 1	1.0	3.2	13.5	20	1.7	1.5	1,9	386	386		
94/ 93									. 3	1.0	2.8	3,2	2,9	1.9	1.7	1.3	1,0		421		
92/ 91 90/ 89								.7	1.7		3,7	2.2	1.1	1.0	. 8	. 8	,7	341 262	341 262		
88/ 87							. 6			1.	.6	.2	• 4		. 4			169	169		
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Dew Point				<u> </u>				ــــــــــــــــــــــــــــــــــــــ								L_		L			

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-72

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# PSYCHROMETRIC SUMMARY

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DATA PROCESSING PRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

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## **PSYCHROMETRIC SUMMARY**

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Wet Bulb			193		1784		71.6			24	63					3.6	43	3	4		_
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DATA PROCESSING SHARCH USAF ETAC AIR MEATHER SERVICE/MAC

LUKE AFB ARIZONA/PHOENIX

## **PSYCHROMETRIC SUMMARY**

1500=1700 HOURS (L. S. T.) PAGE 1 Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 D.B. W.B. Dry Bulb Wet Bulb Dew Point × 31 118/117 116/115 114/113 2,0 50 50 112/111 108 108 110/109 220 220 108/107 348 348 2,414,8 4,610,7 2,8 4,8 1,1 1,8 2.0 3.3 1.5 443 441 104/103 441 102/101 330 33d 100/ 99 182 107 98/ 97 107 . 7 96/ 95 103 103 94/ 93 57 57 92/ 91 23 7 90/ 99 23 88/ 87 11 86/ 85 • 1 84/ 83 32/ 81 80/ 79 78/ 77 72 422 76/ 75 74/ 73 72/ 71 664 12 577 70/ 69 361 .30 68/ 67 54 209 66/ 65 104 128 64/ 63 54 181 62/ 61 243 231 60/ 59 58/ 57 231 56/ 55 250 54/ 53 52/ 51 202 Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. ±0 F ⊴ 32 F €67 F × 73 F × 80 F × 93 F Dry Bulb Wet Bulb Dew Point

42-46,51-72

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100M 0.26-5 (OL A) 1641569 PE

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LUKE AFB ARIZONA/PHOENIX

## **PSYCHROMETRIC SUMMARY**

PAGE 2

1500-1700 HOURS (L. S. T.)

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TOTAL Temp. (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL D.B. W.B. Dry Bulb Wer Bulb Dew Point 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 50/ 49 48/ 47 124 131 104 46/ 45 116 88 42/ 41 40/ 39 46 .46 37 19 18 38/ 37 36/ 35 34/ 33 32/ 31 30/ 29 28/ 27 20/ 25 24/ 23 22/ 21 20/ 19 18/ 17 12/ 13 TOTAL 10 4 4 2495 7.911,662,0 2495 3.4.4.4 5.6 2495 2495 Element (X) No. Obs. Mean No. of Hours with Temperature 21.3 9.865 103.7 5.467 71.9 3.233 54.2 9.128 1378677 2495 53237 267 F 273 F 280 F 293 F Rel. Hum. 10F ± 32 F Total 26900749 2495 2495 93 93 Dry Bulb 258711 93.d 93.0 179266 Wet Bulb 12906346 86.6 43.8

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42-46,51-72

BENSED MENDUS EDITIONS OF THIS FORM ARE DESOUTED

Form 0.26-5 (OLA) USAFETAC

Dew Point

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LUKE AFE ARIZONA/PHOENIX

STATION NAME

#### **PSYCHROMETRIC SUMMARY**

1800-2000 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B. W.B. Dry Builb Wet Builb Dew Point 116/115 114/113 112/111 110/109 30 78 30 78 108/107 132 132 106/105 104/103 102/101 243 243 9,6 312 312 351 351 100/ 99 98/ 97 4,4 2.6 340 274 340 274 2,8 96/ 95 1,7 235 235 ,7 94/ 93 152 .1 92/ 91 1. 115 • 1 90/ 89 82 82 88/ 87 44 44 86/ 85 14 83 • l .0 82/ 81 80/ 79 85/81 80/79 78/77 76/75 74/73 72/71 70/69 , 2 200 . 1 584 689 31 . 1 39 460 \$\$/..67 .66/..65 268 65 134 64/63 62/61 60/59 58/57 64 36 184 216 264 244 39/455 394/558 192/351 190/249 154 157 "Element.(X)" Mean No. of Hours with Temperature Rel. Hum. ≥67 F = 73 F = 80 F = 93 F 10 F ≤ 32 F Dry Bulb Wel Bulb 'Dew Point

42-46,51-72

**€. €** (

SED MEYDOUS EDITIONS OF THIS FORM ARE OSSOUTED

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LUKE APB ARIZONA/PHOENIX

## **PSYCHROMETRIC SUMMARY**

Mean tio. of Hours with Temperature

92'.9 31.0

93.0

2 67 F = 73 F = 80 F = 93 F

92.

93 93

1800-2000 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wer Bulb Dew Point (F) 48/ 47 118 46/ 45 44/ 43 42/ 41 104 86 77 47 47 153 3 1122 1 40/ 39 38/ 37 36/ 35 34/ 33 32/ 31 30/ 29 28/ 27 26/ 25 24/ 23 22/21 18/17 14/13 12/11 TOTAL 1 2488 9.912.343.1 4.6 7.5 8.8 2489 2489

No. Obs.

2489

2489 2489

2488

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42-46,51-72

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THIS FORM ARE OBSOILTE

EDITIONS OF

Rel Hum

Dry Bulb

Wet Bulb

1977493

24645739 12539923

## **PSYCHROMETRIC SUMMARY**

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#### **PSYCHROMETRIC SUMMARY**

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#### **PSYCHROMETRIC SUMMARY**

23111 LUKE AFB ARIZONA/PHOENIX
STATION STATION NAME 0000+0200 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL

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## PSYCHROMETRIC SUMMARY

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Temp.							BULB											TOTAL		TOTAL	
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Rel. Hum.			1977		119			16.8			14	± 0	F	≤ 32 F	≥ 6		≥ 73 F	≥ 80 F	z 93	F	Total
Dry Bulb		1690	0556	4	201		83	5.2	31	:24	14.				.9	2.9	90'		d .3	1.2	9
Wet Bulb		1150	4666	ÿ	166	523		4.3		.24	14.				7	4:2	17.				9
Dew Point		910	3388	7	147	543	61.	8.2	97	.24	14				2	3.3	2	2			5

# PSYCHROMETRIC SUMMARY

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#### PSYCHROMETRIC SUMMARY

23111 LUKE AFB ARIZONA/PHOENIX
STATION NAME

PAGE 2

Temp.						WET	BULB	FEMPER	ATURE	DEPRE	SSION (	(F)						TOTAL		TOTAL	
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Wet Bulb	l		6637		1643	365	68.			:24	10					9.2	13.				_
Dew Point			1188		1.48	472		8.2		2/	10						2.				_

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### PSYCHROMETRIC SUMMARY

### AUG MONTH

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## **PSYCHROMETRIC SUMMARY**

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Dry Bulb		1589	4430	1	195	128	8111	3.0	60	24						2.2	88.4			- 4	9:
Wei Bulb		1147	0237		1656	37	68.8	4.7	32	:14	09		$\neg \vdash$		77		17.6		1	• •	92
Dew Point			115		1499		62.3	7.0	78	24	00		-4-		3		2.0				93

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USAFETAC

# **PSYCHROMETRIC SUMMARY**

STATION	LUKE AFB ARIZONA/PHOENIX 42046,51471 STATION NAME  VEARS														EARS					A	NTH
																		PAG	£ 1	)900 HOURS (C	÷11
Temp.						WET	BULB '	TEMPER	ATURE	DEPR	ESSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew 1
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ent (X)	Σχ2			Σχ		$\perp$	X			No. Obs.		·			Mean No	of Ha	urs with	Temperatur			
Hum.												± 0 F	1	32 F	≥ 67 F		73 F	≥ 80 F	≥ 93 F	T	otal
Bulb													1			1		- 00 /	* 73 F	<del></del>	1101
Bulb													-			-				<del> </del> -	

#### **PSYCHROMETRIC SUMMARY**

2311 LUKE AFB ARIZONA/PHOENIX. 42-46-51-71 AUG 0900-11:00 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) Temp, (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 | 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 | 31 | D.B. W.B. Dry Bulb | Wet Bulb | Dew Point 0 38/ 37 36/ 35 34/ 33 32/ 31 30/ 29 28/ 27 10/ 9 10 3 2415 3.9 5.3 8.110.111.814.913.210.2 8.2 4.0 3.1 241 2415 2415

THIS FORM REVISED PREVIOUS EDITIONS OF 0.26.5 (OL A)

USAFETAC

93 93 93 No. Obs. Element (X) ·, Mean No. of Hours with Temperature 40.714.014 90.4 5.408 71.5 3.564 61.8 7.529 4465055 98171 :2415 267 F | 273 F | 280 F | 293 F ≤ 32 F Rel. Hum. ± 0 F 218822 172711 149325 92.7 42.1 19897966 12382313 Dry Bulb 2415 90.5 93.0 35.8 Wer Bulb 34.2 9369963 Dew Point :2415 26

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC PSYCHROMETRIC SUMMARY

42-46,51-71

PAGE 1 1200-1400

114/113 112/1109 106/107 106/103 102/103 102/103 102/103 102/104 100/99 98/97 98/97 98/95 98/95 98/95 98/95 98/95 98/95 98/95 98/95 98/95 98/95 98/95 98/95 98/95 98/97 98/95	DEPRESSION (F) TOTAL TOTAL											mp.	Te
122/110	17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B. W.B. Dry Bulb Wer Bulb Dew	18 19 - 20	15 - 16 17 - 1	13 - 14	11 - 12	9 - 10	7 - 8	5 - 6	3 - 4	1 - 2	0	F) [	(1
106/107	20 1 1											/111	
102/101	2,3 56 56											/107	100
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76/75 1 2 2 52 74/73 0 0 0 2 2 73 72/71 0 0 1 50 70/69 0 1 0 4 4 21 68/67 1 13 66/65 5 64/63 3 62/61 60/59 56/55	.				2	<u> </u>		1				/ 79	
72/71						1	• 1	1				<u>/ '75!</u>	
68/ 67 66/ 63 62/ 61 60/ 39 58/ 57 56/ 55									•0	.0		/ '71	1 1 2
64/63 62/61 60/59 58/57 56/55	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					q	•(			d • j	•0	/ 67	
60/ 59 58/ 57 56/ 55	39						ļ					/ 63	64
58/ 57 56/ 55	\$2 ·											/ 59	
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3A/ 53												/ 53	
50/ 49 48/ 47												49	
Element (X) ZX' ZX X Maan No. of Hours with Temperature	No. Obs. Mean No. of Hours with Temperature	. Obs.	No. (	<b>₹</b>	X		z x			Σχż		ent (X)	Elem
Rel. Hum. 5 0 F   5 32 F   2 67 F   2 73 F   2 80 F   2 93 F	± 0 F   ≤ 32 F   ≥ 67 F   ≥ 73 F   ≥ 80 F   ≥ 93 F   Total							T				Hum.	Rel.
Dry Bulb				1				T				Bulb	Dry E
Wer Bulb												Bulb	Wet
Dew Point				<del>                                     </del>				1			<del> </del>	Point	Dew

FOLM 0.26-5 (OL A)

SA FETAC

23111 LUKE AFB ARIZONA/PHOENIX
STATION NAME

1

€.

(OLA)

0.26.5

Dew Point

145176

#### **PSYCHROMETRIC SUMMARY**

23111 LUKE AFB ARIZONA/PHOENIX
STATION STATION NAME 42-46-51-71 AUG 1200+1400 HOURS (L. S. T.) Temp. (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B. W.B. Dry Bulb | Wer Bulb | Dew Point 46/ 45| 44/ 43| 42/ 41| 40/ 39| 38/ 37| 36/ 35| 24/ 33| 32/ 31| 30/ 29| 26/ 25| 34/ 23| TOTAL 37 37 24 15 11 13 2.0 4:4 4:9 8.010.212.213.412.9.9.918.1 2416 2414 2414 241 No. Obs. Element (X) Meen No. of Hours with Temperature 2723126 23010340 12763923 31,412,022 97,4 5,681 72,6 3,151 60,1 7,686 2414 2416 2414 267 F 273 F 280 F 293 F 75708 ±0 F ± 32 F 93.0 88.5 17.1 92,8 93 93 Dry Bulb 235382 Wet Bulb 175369

# **PSYCHROMETRIC SUMMARY**

23111 LUKE AFB ARIZONA/PHOENIX .42+46,51471 1500-1700 HOURS (L. S. T.) PAGE 1

Temp.										DEPRE								TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb Y	et Bulb	Dew Point
110/115																	1	2	2		-
112/111																	3.6	18	16		
108/107														.0	.5	.2.0	6,6	168	168 .280		
104/103												.1	, (	.3.0	9 4 2	.4 .6	3	392	392		
100/ 99											. :	1.3	2,2	3,7	3.7	1,	1		-337		
96/ 95										19	1,4	1.8	1 (	7.2		• 7			174 105		·
92/ 91							.1	• 1			1,2	,2	•.0					59 54	-59 -54		
88/ 87						1,1	,3		ě	• 1								24	24		
84/83				.1		,												19	19 13 12	-1	-
78/ 77			. 1	• 1		• 0												10	10	154	
76/ 75			• j	• (														3	,3	735	8
72/ 71	.0	, C																1 3	નતા	564 253	34 82
66/ 65																				128	143
62/61																				24 11	260 307 279
58/-57																				Į.	261
·56/ ·55 ·56/ ·53																					208
32/ 51																					143 122 69
Element (X)		Σχ²			ZX		X	•,		No. O	·s.				Mean	No. of I	lours wil	h Tempers	lure		
Rel. Hum.				ì								10	F	± 32 F	≥ 67	F	≥ 73 F	≥ 80 F	# 93 F		Total
Dry Bulb																					
Wet Bulb																					
Dew Point	i —																				

USAFETAC 1964 0.26.5 (OLA) stristo meroous torioms or 1815 rosm are outsited

## **PSYCHROMETRIC SUMMARY**

23111 LUKE AFB ARIZONA/PHOENIX PAGE 2 1500=1700 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL. Temp. (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B. W.B. Dry Bulb | Wet Bulb | Dew Point 48/ 47 46/ 45 44/ 42 42/ 41 40/ 39 38/ 37 67 55 44 22 17 36/ 35 34/ 23 32/ 31 30/ 29 20/ 27 24/ 23 TOTAL 2416 1.1 1.8 2.4 4.4 5.4 7.911.113.414.335.3 2416 Element (X) No. Obs. Rel. Hum. 2416 > 67 F ≈ 73 F ≈ 80 F ≈ 93 F 2043241 64861 26.811.180 10F ≤ 32 F

2416

93.0 88.9

92.8 52.5

92.4

93

93

93

100.4 5.785 72.6 3.011 58.2 7.774

242659 175374

140577

24453087 12752040

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42-46,51-71

THIS FORM ARE OBSOLETE (OL A) 0.26.5

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USAFETAC

Dry Bulb

Wet Bulb

Daw Point

### PSYCHROMETRIC SUMMARY)

23111 STATION	LU	KE A	FB A	RIZO	NA/P	HOEN	IX			42-	4655	1+71			ARS			<del></del>		A	ŲG
3721104				3,	~110M M	-ME								,,				PAGE	1 .		±2000 · 5. 1.)
Temp.						WET	BULB	TEMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5-6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B. D	ry Bulb	Wet Bulb	Dew Point
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98/ 97 98/ 95							 			ا و	102	3.1	3.1			1,3	1,0	338	315 338		
94/ 93								1	,3		2.6		1,6		- 4	. 4			223 223		
90/ 89 8#/ 87						, 0 2 e	. 4	1.4	1.1	2,2	1,4	.5				, 1 , 1		169	169 124		
86/85					ء . غ و	. 6			. 2		•	. 1	),					62 51	62 51		
82/ 81 80/ 79			. 1	.0	3				• 1			•0		• 0				44 27	44 27		
78/ 77 76/ 75			, 2 , 1	<u>• 0</u>		• 1	•											16	16	59 283	3
74/ 73		•0	.0														ļ	1		605 705	20 -61
70/ 69 68/ 67						[ [												2 2	2	401 168	105 149
66/ 65																				93 52	
62/61						<u> </u> 														ور 10	280
58/ 57 56/ 55						<u> </u>	<u> </u>							<u> </u>						1	264 189
54/ 53 52/ 51						<u> </u>															144 99
.50/ .69 .48/47		<u> </u>					<u> </u>		<u> </u>	<u> </u>	<u></u> ,			<u> </u>	<u> </u>		<u></u>				83 48
Element (X)		ΣX,			z <sub>X</sub>		X	<b>"</b> "		No. OI	»s.		- 1	- 10 F				! Temperatu			·
Rel. Hum. Dry Bulb						<del></del>		<del> </del> -	+			= 0	-	± 32 F	2 47		73 F	≥ 80 F	* 93 F		rotal
Wet Bulb								<del> </del>	- +-						<del> </del>			<del> </del>	<del> </del>		
Dew Point								<del> </del>							<del>                                     </del>			<del> </del>			
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172611 142378

2965951 22073955

12357125 8532218

**7**2

32.313.586 95.4 6.445 71.4 3.214 58.9 7.660

No. Obs.

2416 2416

2416 2416

≤ 0 F

≤ 32 F

## PSYCHROMETRIC SUMMARY

Mean No. of Hours with Temperature

92 . R 36 . G

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85.

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267 F 273 F 280 F 293 F

91.5

64.9

93 93 93

STATION	<u>   </u>	UKE	AFE	3 A	R1Z(	DNA/	PHORI	VIX	·		42.	460	31-7	1	<del></del>	EARS		<del></del>				NTH
																			PAC	E 2	1800	=200
Temp.								BULB											TOTAL		TOTAL	
(F)	0	1 - 2	3	4	5 . 6	7 - 3	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	
46/ 45 44/ 43													1									21
42/ 41 40/ 39																						4( 3(
8/ 37 6/ 35																	<u> </u>					1
34/ 33 32/ 31																						
0/ 29																						
4/ 23 TAL	• '		2	. :		1 1.	2.0	2.	3.5	4.2	5.9	7.4	9.	511.	412.	213.	10.4	15		2416		241
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0.26-5 (OL A)

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### PSYCHROMETRIC SUMMARY

23111 LUKE AFB ARIZONA/PHOEN'X 42-46,51-71 AUG

STATION STATION NAME

PAGE 1 2100-230

WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. D.B. W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 104/103 102/101 29 74 ,3 • 1 98/ 97 1.9 157 96/ 95 157 1.2 3.3 94/ 93 262 262 92/ 91 90/ 89 4,1 .6 309 309 • 2 355 3.2 3.1 1.9 316 88/ 87 3,9 316 ٤ 7 1.9 . 6 • 7 • 9 · q 86/ 85 304 304 84/ 83 183 183 82/ 81 145 80/ 79 78/ 77 76/ 75 74/ 73 72/ 71 0.0 . 1 .2 11g 77 110 77 • 1 • 7 • 3 • 3 .1 . 1 151 10 40 40 395 50 696 517 84 179 70/ 69 285 68/ 67 197 66/ 65 272 311 63 ad 62/ 61 64 46 60/ 59 248 38/ 188 56/ 55 54/ 53 148 126 52/ 51 50/ 49 76 67 47 44 46/ 32 45 44/ 43 22 27 40/ 39 15 38/ 37 19 Σχ² ZX No. Obs. Mean No. of Hours with Temperature Rel. Hum. ≤ 32 F ≥ 67 F = 73 F = 80 F = 93 F Total ± 0 F Dry Bulb Wet Bulb Dew Point

DRM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSI

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USAFETAC FORM 0.

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-71 AUG
STATION STATION NAME YEARS MONTH

PAGE 2 .2100=2300

Temp.						WET	BULB	EMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 · 4	5 - 6	7 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	₹31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew P
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30/ 29 28/ 27									<u>,</u>												
28/ 27																		i			
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26/ 25 24/ 23		i		ļ					<del> </del>	<del></del>											
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lemen (X)		Σχi	:	<u> </u>	Σχ		X	٠,		No. O		l			Mean i	to. of H	ours wit	h Temperat	lure		
Rel. Hum.		496	9339		1025	49	42,5	5.9	58	24		⊴ 0	F	± 32 F	≥ 67		73 F	≥ 80 F	≥ 93		Total
Dry Bulb		1875	3,19	<b>├</b> ─	2123	63	87.9	7.5	20	24	15				93	ــاقِه	92,3	85.3	3 20	•6	
Wet Bulb		1187			1690		70.0			24			-		1_7.2	-9 _	22.2				
Dew Point		898	3544	<u> </u>	1460	78	60.5	7.9	141	24	16			5	20	1	2.3				- (

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DATA PROCESSING PRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

23111 LUKE AFB ARIZONA/PHOENIX 42=46,51=71

SEP

MONTH

PAGE 1 0000=0200

HOURS (C. S. T.)

Temp.	Ĺ.								TEMPER										TOTAL		TOTAL	
(F)	_ [-	0	1 - 2	3 · 4	5 · 6	7 - 8	9 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	2: 2	2 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. ¥.B.	Dry Bulb	Wet Bulb	Dew Point
98/ 9	7													·		. 0			1	1		
94/ 9	3		ĺ						1			.0	,0	.1	.1	} `]			6	6		
92/ 9										·	.0		, 3	. 3	.1	.0	.0	i	23	23		
90/ 8	9	1	1						0	. 1	4				3	. 2		ł	51			ĺ
88/ 8								•0	.0			. 8		-4	15		,0	i	96			<del></del>
86/ 8		1	ľ					. 2	46	1.1					.5	٥٠	_ 0	1	130	130		1
84/ 8	3						.1	.5	1.1				1	4 3	, 2	. 5	.0		172	172		
82/ 6	1	ļ	i		٥٥	. 1	.6	1.3	1.3	1.0	1.7	1.0	1.2	4	li	1	• •	ŀ	203			1
E0/ 7	9				.1	.3		1,8	1.5	1.2	2,1	2,2	1.1			<del>  </del>		<b></b> -	269			<del> </del>
78/ 7	ارخر				. 5			1.3	1.3		2,3	1.5	.6		.Į			ł	270		1	
76/ 7	5		- 1	,6	.3	1,5		.6			1,6			,0	.1	<del>                                     </del>		<del> </del>	285	285		<del> </del>
74/ 7		ĺ	• 1 • 3	. 2	.7	.9	9	1.4			1.5	.6			! · •				241	241	31	
72/ 7	<del>1</del>		. 3	9	•7	.8	7, 5	1.0			.9				-	<del> </del>		<del> </del>	199		138	19
70/ 6	9	. 0	. 3	4	. 4		8	7		9								}	135		217	46
58/ 6		. 1	, 2	• 1	, 3	.4									<del> </del>	1		<del></del>	118		280	
65/ 6		• ^	.0				.7	8						<u> </u>	1				73		236	116
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Rel. Hum.	<u> </u>		- 4		<del> </del>	<u> </u>		_^_	1		1,0,0		≤ 0		≤ 32 F	≥ 67		73 F	2 80 F	≥ 93 (	<del>-   -   -   -   -   -   -   -   -   -  </del>	Total
Dry Bulb					<del> </del>		_		<del> </del>						- 3£ F	+ * 0/		73 F	1 - 00 -	73	<del></del>	
Wet Bulb									<del> </del>					-		<del> </del>			<del> </del>			
Dew Point	<del></del> }-				<del> </del>				<del> </del>										<del> </del>			
Dew Foin	۱۰ ا				<del></del> _				<u> </u>				<u></u>			ــــــــــــــــــــــــــــــــــــــ			ــــــــــــــــــــــــــــــــــــــ			

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USAFETAC POEM

USAFETAC 1044 0.26.5 (OL 4) ITUILD MENOUS ERROWS OF THIS FORM ALE OLICHIEF

## PSYCHROMETRIC SUMMARY

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-71 SEP

STATION STATION NAME

PAGE 2 0000-0200
HOURS (L. S. T.)

Temp.							BULB											TOTAL		TOTAL	
(F)	0	1 - 2	3 · 4	5 . 6	7 · 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	e 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
28/ 27 26/ 25																					10
24/ 23																					8 2
20/ 19 18/ 17 TOTAL	1	1.4	2.4	3.5	5,6	9.0	11.2	13.3	15.8	14.7	llel	6.5	3.2	1.6	,3	2			2336		2 <b>3</b> 38
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Element (X)		Z <sub>X²</sub>			ZX	L,	   	•,	<u> </u>	No. 0		<u> </u>			Mego	No. of H	Outs wit	th Tempera	ture.		
Rel. Hum.			4559	<del> </del>	1045	183	44.9	16.2	58		37	<b>±</b> 0	F	± 32 F	≥ 67		73 F	> 80 F	* 93	F	Total
Dry Bulb		1391	2111		1796	25	76.9 62.3 52.3	6.5	44	23	36				84	.7	67'. 3	32.		3	90
Wet Bulb		916	5586		1457	158	62.3	5.7	99	_23	38				25	8	1.4	,			90 90
Dew Point		602	5645		1223	307	32.3	9.8	65	23	38			2.4	5	C					90

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

23111 LUKE AFE ARIZONA/PHOENIX
STATION NAME SEP 42-46,51-71 0300=0500 HOURS (L. S. T.) PAGE 1

WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 92/ 91 . 0 90/ 89 . 0 21 42 88/ 87 21 .2 , 1 86/ 85 . 0 42 84/ 83 82/ 81 ,2 ,3 .0 83 83 1.6 1.7 1.6 2.0 1.5 80/ 79 78/ 77 1.1 1.4 00 . 2 199 199 213 2:3 76/ 75 74/ 73 72/ 71 1.2 1.4 1.8 2.4 1.5 .2 263 • 1 . 0 263 262 262 1.2 . 3 1.6 1.2 1.0 . 1 285 285 104 16 . 2 .6 1.2 .8 70/ 69 156 •5 •5 1.5 1,5 1.4 .2 190 221 68/ 67 , 3 192 84 66/ 65 164 261 164 103 64/ 63 203 149 1,0 92 92 62/ 61 60/ 59 58/ 57 248 276 • 6 1.3 77 77 169 147 128 49 0 . 3 49 • 이 اِي ۽ . 6 .0 16 245 16 56/ 55 54/ 53 158 195 .0 8 <u>. u</u>l 181 158 • 0 32/ 51 . 1 86 168 50/ 49 82 Ĩ71 47 48/ 40 168 152 128 117 44/ 43 43 40/ 92 37 60 38/ 36/ 35 34/ 33 32/ 31 23 14 30/ 29 28/ 27 14 6 No. Obs. Mean No. of Hours with Temperature Element (X) ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F ±0 F ≤ 32 F Total Rel. Hum. Dry Bulb Wet Bulb Dew Point

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

3111 STATION	LU	KE A	FB A	RIZO	TATION N	LDE1	XIX			42=	46,5	1-71		YE	ARS			<del></del>		<u>S</u>	EP NTH
																		PAG	E 2	0300 HOURS (	=050 L. S. T.)
Temp.						WET	BULB	TEMPER	RATURE	DEPRE	SSION	(F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 · 4	5 - 6	7 - 8								23 - 24	25 - 26	27 - 28 2	29 - 30	≥ 31	D.B./W.B.	Dry Bulb		Dew Po
24/ 23 22/ 21 20/ 19 18/ 17																					
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18/ 17							ļ				ļ	<u> </u>								<u> </u>	
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el. Hum.			8585			0.5	₹ 50.5				33	= 0		32 F	Mean No ≥ 67 I		73 F	≥ 80 F	2 93	-	Total
ry Bulb			5010	<del> </del>	1701	90	72.9	6.5	60		35		<del>-                                     </del>	- J2 F	74		7.5				9
Vet Bulb		872	5434	<del>                                     </del>	419	30	60.8	6.2	47	23	33				19	3	7		<del>-</del>		9
Dew Point			456.7		1219		52.3	9.7	53	23	33			2.0			.0		<del> </del>		<u>7</u>

USAFETAC FORM 0.26-5 (OL A) INVISED MENOUS EDITIONS OF THIS FORM ARE

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DATA PROCESSING PRANCH USAF ETAC AIR WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
94/ 93								l					.0			.0		2	2		
92/ 91		l									٠,٥			.0				2			!
90/89					. 1	ļ				, 1 , 2	, 1	• 1		[ , 1	.0			12	12		i I
88/ 87							.0	• 0	<u>, i</u>	. 2	.3	.2	.3	.0				26	26		
86/ 85			İ			. 0	• 3	• 3	.4	.6	, 3	. 3	.3	1				60			
84/ 83						2	• 3 • 9	.6	.6	. 9	. 4		.0					93	93		
82/ 81	[			į į	. 2	. 7	• 9	1.2	. 9	1.2	1,0	.3	•0	.1			ł	153			[ [
80/ 79					. 8	1,1	1.6	1.5	1.5	1,2	1.0							212	212		
78/ 77		. 1	• 1			1,7	2,0	1.5	1.6	1.2	, 8	, 3					1	255			
76/ 75		• ()	.2	.9	1.1	1,8	1.7	2.0	1.9	1,5								275	275	7	
74/ 73		. 3				1.4	1.5	1.8	1,6	.9	, 2	_	.0				i	247		31	3
72/ 71	.0	.1			1.0	. 9	1.5	1,9	1.7	, 6	.3	, 2		<u> </u>				235			
70/ 69	.0	• 5	. 5			1.5	1.8	1.4	1.2	•5	2 و		[	1			ĺ	222		163	45
68/ 67	.0	.3	. 4	•6	• 9	1.2	1.6	1.5	,5	. 2	.0	ļ		ļ				174			86
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58/ 57	<u> </u>	ļ	ļ ļ	• 1	.3	• 4	, 3	.0		ļ	ļ	ł	Ì	ļ	} i		1	25	25		147
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32/ 31	ł	1								ļ				]	i			<b>!</b>			16
30/ 29	<del> </del>		<del> </del>		┝╼╾┼					<del> </del>		<del> </del>		<del>                                     </del>	<del>                                     </del>		<del> </del>	<del> </del>	<del> </del>		12
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Rel. Hum.	<del> </del>											± 0	F	≤ 32 F	≥ 67		73 F	≥ 80 F	2 93 1	F	Total
Dry Bulb												<u>-</u> `	-		<del> </del>	<u> </u>		1	<del> </del>		
Wet Bulb	<del> </del>			<del> </del>											<del>                                     </del>			<del>                                     </del>	-	_	
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## **PSYCHROMETRIC SUMMARY**

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-71 SEP
STATION STATION NAME YEARS MONTH

PAGE 2 0600=0800

Temp.							BULB .												TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 18	19 - 20	21 - 22	23 - 24	25 -	26 2	7 - 28 2	9 - 30	≥ 31	D.B. ₩.B.	Dry Bulb	Wet Bulb	Dew Poin
26/ 25											I			T				<u> </u>			1	5
24/ 23						ĺ				1	i	1							i			
24/ 23 22/ 21					<del>                                     </del>							T	1		-			<u> </u>			<u> </u>	2
20/ 19		!		!	1	1	1		!	<b>!</b>	ł	Į		1	1						İ	1 2
18/ 17		<b>!</b>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>					<del>                                     </del>	<del>}</del> -	<del> </del>							<del> </del>	2
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DATA PROCESSING ARA CHUSAF ETAC AIR WEATHER SERVICE/MAC

23111 LUKE AFB ARIZONA/PROFNIX 42-46,51-71

## **PSYCHROMETRIC SUMMARY**

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DATA PROCESSING FRANCHUSAF ETAC ALR WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

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104/103		]											• 0	,0	. 3	1,3	4,5	145	145		1
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### **PSYCHROMETRIC SUMMARY**

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DATA PROCESSING MRAICH USAF ETAC AIR WEATHER SERVICE/NAC

## PSYCHROMETRIC SUMMARY

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Wet Bulb			0380		1587	66	68.0	4.1	58	22	36		$\neg \vdash$				12.1		2		9
Dew Point			1675		1167		50.0	9.7	6.8	23	36		_	3.9		6			_		9

FORM 0-26-5 (OL A) PENSED PERVOUS EDITIONS OF THIS FC

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AFETAC FORM

#### **PSYCHROMETRIC SUMMARY**

23111 LUKE AFB ARIZON A/PHOENIX 42-46,53-71 1800-2000 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 26 27 . 28 29 . 30 2 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 108/107 5 106/105 104/103 1,8 , 0 47 102/101 100/ 99 2,7 129 1.3 129 98/ 97 96/ 95 197 157 2.1 2.0 1.5 1,5 218 218 1,8 94/ 93 202 202 92/ 91 1.8 2,4 , 5 3 2.3 1.3 269 1.2 1.7 269 90/ 89 253 88/ 87 . 8 1.5 1.8 1.2 205 205 . 3 86/ 85 1,6 191 191 . 6 84/ 83 82/ 81 1.0 .6 1.1 152 152 122 122 80/ 79 116 • 0 116 . 6 • 5 . 2 • 7 . 6 . 2 . 0 78/ 77 66 66 75 73 76/ 44 44 29 2 . 4 74/ 25 25 134 72/ 71 284 9 .0 12 12 . 1 70/ 69 35 381 68/ 67 ,1 , 1 0 .0 365 55 66/ 65 398 95 64/ 63 309 108 62/ 61 191 138 • 1 2 3 106 127 58/ 57 65 159 56/ 55 50 208 54/ 53 52/ 51 179 205 50/ 49 197 164 48/ 47 46/ 45 152 44/ 43 126 42/ 41 105 ZX No. Obs. Mean No. of Hours with Temperature Element (X) Rel. Hum. ± 0 F 267 F ≥ 73 F ≥ 80 F ≥ 93 F Dry Bulb Wet Bulb

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USAFETAC FORM 0.26-5 (OLA) IENSED MENOUS

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DATA PROCESSING RRANCH USAF ETAC AIR WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-71 PAGE 2 1800-2000 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F)

1 · 2 3 · 4 5 · 6 7 · 8 9 · 10 11 · 12 13 · 14 15 · 16 17 · 18 19 · 20 21 · 22 23 · 24 25 · 26 27 · 28 29 · 30 → 31 D.B. W.B. Dry Bull Wet Bulb Dew Point Temp. 40/ 39 75 <u>59</u> 38 38/ 37 36/ 35 34/ 33 24 32/ 31 30/ 29 28/ 27 23 19 13 26/ 25 4 24/ 23 22/ 21 18/ 17 1 16/ 15 TOTAL 1.6 2.5 2.6 4.5 5.6 9.810.412.213.611.2 8.713.5 2334 2335 2334 2334 70269 No. Obs. Element (X) Mean No. of Hours with Temperature 30,114,523 39,5 7,564 66,4 4,522 31,7 9,400 2607659 2334 ± 32 F 267 F 273 F 280 F 293 F Dry Bulb 18880358 88.3 81.8 32.7 209222 89.7 90 2335 2334 2334 Wet Buib 10330034 154916 90 46.0 6.

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### **PSYCHROMETRIC SUMMARY**

LUKE AFB APIZONA/PHOPNIX 2100-2300 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 100/ 99 .0 98/ 97 96/ 95 . 3 25 .1 25 · 이 49 49 ,1 92/ 91 . 6 103 103 , 1 90/ 89 88/ 87 0 160 160 . 2 . 9 • 5 • 7 , 5 1,2 166 1,1 .0 166 1.8 1.6 238 86/ 85 •6 238 1,3 2,2 2,3 1,5 1,8 84/ 83 .0 2,9 .0 254 254 82/ 81 80/ 79 78/ 77 . 0 242 242 2.1 1.2 1.0 277 277 1.0 2.3 • 1 225 225 194 76/ 13 75 .6 194 . 2 .9 73 . 3 . 8 . 8 131 131 46 ءَ ۽ 9 71 .3 . 8 1.ú .3 .4 116 180 22 •1 .5 116 . 3 • 3 <u>.</u> 3 70/ 33 76 69 79 300 79 .5 43 68/ 67 .1 . 2 .1 . 2 43 289 13 289 66/ 65 <u>, 1</u> 112 .1 64/ 63 e 0 .0 .1 342 138 178 62/ 297 o l 227 151 60/ 59 .0 58/ 57 147 177 55/ 144 55 95 54/ 53 52/ 51 54/ 61 172 211 34 50/ 49 179 48/ 159 47 46/ 45 142 127 42/ 93 41 52 40/ 39 38/ 37 49 36/ 36 35 34/ 33 25 Mean No. of Hours with Temperature Σχ Element (X) 267 F | 273 F | 280 F | 293 F Total ±0 F ± 32 F Rel. Hum. Dry Buib Wet Bulb

42-46,51-71

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23111 LUKE AFB ARIZONA/PHOFNIX

## **PSYCHROMETRIC SUMMARY**

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Wet Bulb			1190		1496	136	54.0	5.2	43		38	L			31	. 9	2,3				
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42-46,51-71

FOUN 0.26-5 (OL. A) REVISED MEYOUS EDITIONS OF THIS FORM ARE OF

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## **PSYCHROMETRIC SUMMARY**

23111 LUKE AFB ARIZONA/PHOFNIX
STATION NAME 42-46,51-71 PAGE 1 0000-0200 WET BULB TEMPERATURE DEPRESSION (F) Temp. TOTAL

iemp.										DEPRE								IOIAL		TUTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 2	1 25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Po
84/ 83		I										.1						2	2		
82/ 81		1							.0		. 1	. 2						8	8		
80/ 79						.0		. 1		.1	, 2	.1	• (					16	16		
78/ 77			l		.0	, 1 , 2	.0	. 1	, 0	.5	.3	.3	٥	)				34	34		L
76/ 75				. 1	. 1	. 2	. 5	• 2 • 7	.7	.4	.3	. 1		) . (				62	62		
74/ 73			.4	• l	.2 .3	. 5	. 8	.7	.7	1 . 4	, 5	,2	• (	) . (				137	137		
72/ 71			.2	.4	, 3	, 9	1.3	1.5	1,3	. 5	,4	• 1						168	168	1	
70/ 69		. 1		• Q	.7	.9 1.7	1.5	2.1	1.5	.7	.5							223	223	17	
68/ 67		. 3		,4	, 9	1.4	1.7	2.1	1,4		, 2	.0						233	233		1
56/ 65		, 2	.4	.7	8.	1.7	2.4	2.1	1.4	.6	, ì							251	251	38	2
64/ 63		, 1	, 5	, 5	1.0	1.2	2.4	2.9	1.5	.3	, 1							255	255		
62/ 61		, 3		, 5	1.5	2.0	2.9	3.0	1.3	. 2	. 1							295	295		
50/ 59		• 2	, 6	• 7	. 8	2.2	2.7	2.4	. 5	. 1								245	245	206	3
38/ 57		.6	. 2	. 5	1.0	2.0	1.4	. 8	, 4	. 2				l				169	169	203	6
36/ 55		, 3	. 5	.6	1.1	1.5	1.1	.5	. 2									140	140	291	10
54/ 53		. 2	. 1	.6	.7	.7	.7	.3	.0					1				81	81	258	10
2/51			. 1	.6	.5	. 1	. 2	. 1										29	29	277	10
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ement (X)	1	X <sup>2</sup>		Z	X		χ	•4		No. Obs					Mean Ho	, of Ho	ors with	Temperatu	10		
1. Hum.												±0 F		32 F	≥ 67 F	2	73 F	* 80 F	≥ 93 F	T	otal
y Bulb																					
et Bulb																					
ew Point						1										7		***************************************		1	

FORM 0.26-5 (OL A)

23111 LUKE AFS ARIZONA/PHDENIX

#### **PSYCHROMETRIC SUMMARY**

4 12

OCT MONTH

0000=0200 PAGE 2 Temp (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 3 | D.B. W.B. Dry Bulb Wet Bulb Dew Point 16/ 15 14/ 13 12/ 11 10/ 9 TOTAL 12 2.7 4.6 6.210,116,519,718,811.0 6.2 2.9 1.1 2415 2415 • 1 2415 2415 Mean No. of Hours with Temperature No. Obs. Rel. Hum. 6007446 113782 47.116.367 2415 ≤ 0 F ± 32 F ≥ 67 F × 73 F × 80 F × 93 F 154574 64.0 6.768 127270 52.7 6.088 101613 42.1 9.991 Dry Bulb 10004220 2415 34.0 10,0 93 93 93 6796580 2415 Wet Bulb Dew Point 4516407 2415 14.9

43-46,51-71

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(OL. A) REVISED MEVIOUS EDITIONS OF THIS FORM

AFETAC FORM

# PSYCHROMETRIC SUMMARY

23111 LUKE AFB ARIZONA/PHOFNIX 42-46,51-71 OCT
STATION STATION HAME PAGE 1 0300-0500

Temp.						WET	BUL B T	EMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	. 3. 1.,
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8							21 - 22	23 - 24	25 . 26	27 . 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb		Dew Point
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76/ 75					. 1	9	3	• •		2		• •	.0				l	17	17		
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70/ 69			.5	• 2		.2 .5	- C	<del></del>		• 4	-,2	-3	• 0	<del> </del>	<b> </b>					$-\frac{1}{7}$	
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64/ 63		. 4	. 5		1.2	1.9			. 5		.0			<b>├</b>			<u> </u>	218	218	44	22
62/ 61	1	. 2	.6		1.2	2.3	2.4	1.9	.5	• 1	_ ا	l i		į	1		1	246	246	70	28
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56/ 55		• 4	. 4	1.1	1.5	3.0	2.0	. 5	.2								ļ	222	222	226	
54/ 53	• 1	, 5	, 5		1.7	1.6	1.3	• 3	.1									162	162	247	102
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32/ 31		L							<u> </u>		l							l I		3	117
30/ 29																				1	81
28/ 27									i		l			1	i					2	59
26/ 25														1							38
24/ 23									1	!											20
22/ 21									1					1				1			29
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16/ 15									1		Į	i		1	İ	1					6
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12/ 11															<u> </u>						3
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Rel. Hum.											i	± 0 l	=	≤ 32 F	≥ 67	F i	73 F	≥ 80 F	≥ 93 1		Total
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Wet Bulb	·												$\neg \vdash$						1	$\neg$	
Dew Point															1	$\neg \vdash$		1	<del>                                     </del>		

L. A) IEVISED MEYICOUS EDITIONS OF THIS FORM ARE DISOLETE

1C FORM 0.26-5 (OLA) 1841510

USAFETAC FORM

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC 23111 LUKE AFB ARIZE STATION

# PSYCHROMETRIC SUMMARY

(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Po
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23111	<u> </u>	JKE A	FB A	RIZO	NA/PI	HOEN	IX			42-	46,5	1-71			ARS					O	CT
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Temp				_		WET	BULB 1	TEMPER	ATURE	DEPRE	SSION	(F)						TOTAL		TOTAL	
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#### **PSYCHROMETRIC SUMMARY**

23111 LUKE AFB ARIZONA/PHOENIX
STATION NAME 42-46,51-71 PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) 

TOTAL

1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B. W.B. | Dry Bulb | ret Bulb | Dew Point (F) 16/ 15 14/ 13 12/ 11 10/ 9 8/ 7 TOTAL 6.911.117.321.016.010.3 5.9 3.5 2414 2414 2414 2414 Mean No. of Hours with Temperature x No. Obs. Element (X) 2413 2414 2414 2414 52.116.321 60.9 7.393 51.2 6.480 42.0 9.711 7187238 10 F ≤ 32 F ≥ 67 F ≈ 73 F > 80 F ≥ 93 F Rel. Hum. 125668 146939 93 Dry Bulb 9075995 21,2 6439725 Wer Bulb 123697 93 . 2 1.2 Dew Foint 4482158 1,1344

AC 1014 0.26.5 (OL A) tensed meroous tollooms of this folk at a bisole

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DATA PROCESSING RAARCH USAF ETAC AIR WEATHER SERVICE/MAC

#### PSYCHROMETRIC SUMMARY.

LUKE AFB ARIZONA/PHOENIX 42-46,51-71 STATION NAME PAGE 1 0900-1100 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 | 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | D.B. W.B. Dry Bulb Wet Bulb Dew Point 2 31 96/ 95 •0 1 م 94/ 93 92/ 91 90/ 89 .3 8 .0 • 1 • 2 25 25 . 6 .0 56 56 . 51 . 3 88/ 87 . 7 89 89 . 1 • 1 103 103

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#### PSYCHROMETRIC SUMMARY

E3111 LUKE AFB ARIZONA/PHOENIX
STATION NAME 42-46,51-71 DCT 1500-1700 HOURS (L. S. T.) PAGE 1

WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 2 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 16 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 106/105 2 , 1 102/101 100/ 99 37 37 98/ 97 76 76 2.0 2.4 2.4 3.3 2,4 95/ 95 94/ 93 1.1 149 149 209 209 1.4 1,7 1.4 1.8 92/ 91 186 186 90/ 89 264 264 3,5 88/ 87 2.4 280 280 86/ 85 242 242 84/ 83 82/ 81 .2 6 1.0 188 188 179 179 80/ 79 78/ 77 76/ 75 1,1 132 132 1,2 1.0 , 3 121 .6 .0 95 95 . 2 . 2 74/ 73 . 6 5 32 73 72/ 71 , 5 55 55 1 .0 . 1 51 69 3 68/ 67 .2 . 2 . 5 18 149 , 1 18 • 0 ,0 29 274 66/ 65 29 • 0 64/ 63 343 • 1 17 17 33 27 62/ 61 410 , I 60/ 59 461 58/ 257 51 56/ 55 54/ 53 146 . 1 3 3 60 109 84 52/ 51 81 105 50/ 49 38 145 48/ 47 173 46/ 45 201 44/ 43 182 179 40/ 39 177 38/ 37 Element (X) ø, No. Obs. Mean No. of Hours with Temperature 267 F | 273 F | 280 F | 293 F Rei. Hum. ≤ 0 F ≤ 32 F Dry Bulb Wet Bulb Dew Point

(OLA) 0.26.5

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#### **PSYCHROMETRIC SUMMARY**

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23111 LUKE AFB ARIZONA/PHOFNIX 42-46,51-71 DCT MONTH 1500-1700 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 27 - 30 | 2 31 | D.B. W.B. Dry Bulb | Dew Point (F) 36/ 35 166 34/ 33 32/ 31 151 155 162 30/ 29 28/ 27 26/ 25 24/ 23 22/ 21 61 39 26 29 20/ 19 18/ 17 16/ 15 14/ 13 19 12/ 11 3 8/ .2/ 9 1.7 2-1 4.0 4.0 7.0 8.712.114.315.714.912.6 TOTAL 2414 2414 No. Obs. Element (X) Mean No. of Hours with Temperature 23.512.513 85.3 8.262 60.8 4.903 1703235 17709700 8979606 ±0 F ≤ 32 F > 67 F | 2 73 F | 2 80 F | 2 93 F Rel. Hum. 55571 2414 205600 146754 2414 2414 90.1 93 93 'fet Bulb

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#### PSYCHROMETRIC SUMMARY

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-71 OCT

STATION STATION NAME YEARS

PAGE 1 1800-2000
HOURS (LL. S. T.)

WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 7 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 D.B. W.B. Dry Bulb Wet Bulb Dew Poin 98/ 97 ٥٠ 96/ 95 , 0 13 27 94/ 93 . 2 13 92/ 91 90/ 89 88/ 87 86/ 85 , 0 . 2 59 59 100 100 1.2 2.1 125 125 . 0 84/ 83 . 8 165 82/ 81 80/ 79 .1 1.8 . 2 .6 • 1 210 210 1,8 1.8 235 235 2.2 78/ .5 77 1.8 . 1 210 210 76/ 75 73 232 232 2.4 1.8 .6 1.4 .6 1.1 221 221 .0 . 2 • G 1.6 .0 72/ 71 1.0 196 196 1.1 1.5 9 176 70/ 69 , 3 . 8 1.5 . 2 .1 176 39 135 68/ 67 60 135 66/ 65 137 19 1.2 . 0 104 104 64/ 63 . 2 67 247 19 67 62/ 285 61 . 1 . 2 , 2 47 47 24 • 0 , 1 , 1 • 4 60/ 59 385 34 37 37 58/ 57 . 1 .1 19 19 345 70 , 1 331 56/ 55 <u>, 0</u> . 0 34/ 53 202 112 52/ 145 147 199 50/ 49 . 0 . 1 113 6 48/ 47 63 218 198 46/ 45 32 44/ 13 215 6 42/ 5 41 206 40/ 39 177 37 38/ 192 36/ 35 143 34/ 33 85 32/ 31 Σx2 No. Obs. Element (X) ZX x σx Mean No. of Hours with Temperature ≤ 0 F ≤ 32 F ≥ 73 F Dry Bulb Wet Bulb Dew Point

C FORM 0.26-5 (OL A) REVISED MEYIOUS EDITIONS O

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USAFETAC FORM

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-71 DCT
STATION NAME YEARS MONTH

PAGE 2 1800-2000 HOURS (C. S. T.)

Temp							BULB 1											TOTAL	Ĺ	TOTAL	
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ETAC FORM 0.26-5 (OL.A) REVISED MEYIOUS EDITIONS OF THIS FORM A

DATA PROCESSING MAXCH USAF ETAC AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

23111 LUKE AFB ARIZONA/PHOENIX
STATION NAME DCT 42-46,51-71 2100-2300 HOURS (L. S., T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. TOTAL D.B. W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 86/ 85 84/ 83 .1 . 2 .0 14 14 • 0 82/ 81 .1 .0 31 80/ 66 78/ . 1 .1 124 124 <u>. ()</u> 170 1.6 2.6 2.6 2.9 • C . 3 177 1.9 2.2 2.7 70/ 69 258 258 67 288 2.1 . 2 58 66/ 65 277 277 . 5 , l . 0 1.8 104 63 232 232 1.8 1.3 171 138 62/ 61 . 2 . 3 1.3 171 170 60/ 59 138 241 58/ 57 283 66 1.2 1.1 107 107 56 33 56/ 56 99 111 53 33 289 . 2 .2 • 2 52/ 51 895 134 172 188 . 2 50/ 49 236 .1 10 10 177 48/ 47 46/ 45 3 114 192 200 43 51 41 198 187 40/ 39 38/ 37 159 36/ 35 164 33 96 32/ 101 81 36 30/ 28/ 26/ 25 33 15 24/ 23 22/ 13 21 20/ 19 Element (X) Mean No. of Hours with Temperature Rel. Hum. ≥ 67 F ≥ 73 F Dry Bulb Wet Bulb Dew Poin'

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

23111 LUKE AFB ARIZONA/PHOENIX

#### PSYCHROMETRIC SUMMARY:

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2100=2300 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 18/ 17 16 16/ 15 14/ 13 12/ 11 10/ 9 6/ 5 3 6 2 TOTAL .1 1.8 3.1 5.011.317.818.917.610.7 4.9 2.8 1.2 2417 2416 2416 2416 Element (X) Mean No. of Hours with Temperature Rel. Hum. 5137874 43.415.561 2416 ≤ 0 F ≤ 32 F z 67 F | z 73 F | × 80 F | × 93 F Total 104882 11148542 7284601 Dry Bulb 163288 67.6 6.962 2417 52.3 23.0 93 54.6 5.849 43.1 9.801 Wer Bulb 131909 93 2416 Dew Point 4714751 104069 12.6 2416

42-46,51-71

-5 (OL A) IEVISED MEVIOUS EOTIONS OF THIS FORM ARE OBSOLETE

AFETAC FORM 0.26-5

DATA PROCESSING MANCH USAF ETAC AIR WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

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USAFETAC FORM 0.26-5 (OLA)

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

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Wet Bulb			8353		1010		44.1			22	93			٤							
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DATA PROCESSING BRANCH USAF ETAC AIR MEATHER SERVICE/MAC

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TAC	Rel. Hum.									_ _			<b>±</b> 0	F	⊴ 32 F	× 67	f ·	73 F	≥ 80 F	<b>≈</b> 93	F	Total
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⊃	Dew Point	<u> </u>			<u> </u>				<u> </u>							<u> </u>			<u> </u>	Щ.		

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

23111 LUKE AFB ARIZONA/PHOENIX
STATION NAME 0300-0500 HOURS (L. S. T.) PAGE 2 Temp. (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 231 | D.8. W.B. Dry Bulb Wet Bulb Dew Point 4/ 3 :2/ 1 :0/ -1 :=4/ -5 8 3 TOTAL .6 8.916.222.021.015.2 9.2 4.4 2.0 2291 2291 2291 2291 No. Obs. Mean No. of Hours with Temperature Element (X) 2291 8180298 130272 56.918.369 ±0 F ± 32 F ≥ 67 F = 73 F = 80 F = 93 F 49.4 6.423 42.4 5.944 33.4 9.777 2291 2291 2291 5681056 4200641 113132 97151 Dry Bulb 90 Wet Bulb 90 Dew Point 2777709 76565 41.8 90

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DATA PROCESSING 3KINCH USAF ETAC AIR WEATHER SERVICE/MAC

#### PSYCHROMETRIC SUMMARY

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-71 NOV PAGE 1 0600=0800 HOURS (L. S. T.) WET BULE TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 2 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 72/ 71 . 1 70/ 69 68/ 67 4 .0 .0 4 66/ 65 .0 64/ 63 . 3 30 . 2 30

.2 62/ 61 39 39 60/ 59 58/ 57 • 5 .3 63 89 128 128 • 9 • 8 35 56/ 55 21 1.0 1.0 1.7 1.4 .2 164 164 • Ö 1.1 1.0 54/ 32/ 53 28 38 201 201 .7 1.5 2.5 3.5 .3 51 229 229 50/ 49 . 6 57 94 296 296 2.4 48/ 47 46/ 45 1.0 3.6 236 236 156 61 3.4 262 262 233 65 .6 2.5 1.5 2.4 1.3 1.8 318 89 171 171 43 9 42/ 41 351 97 149 1.5 . 7 407 39 2.4 132 132 248 125 199 38/ 37 1.0 70 770 224 215 36/ 35 200 . 8 34 34 33 27 27 134 213 74 28 205 199 31 14 . 1 14 • 3 30/ 29 27 28/ 165 25 23 26/ 124 115 22/ 21 88 20/ 19 49 18/ 15 13 16/ 24 13 12/ 11 8 10/ 9 16 8/ 6 5 7 No. Obs. Element (X) ΣX, Mean No. of Hours with Temperature >67 F = 73 F = 80 F = 93 F ± 0 F ≤ 32 F Rel. Hum. Dry Bulb 1000 Wer Bulb Dew Point

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-71 NOV MONTH 0600-0800 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point Temp. (F) 14/ 3 TOTAL 9.418.623.319.112.8 9.1 4.3 2291 2291 2291 No. Obs. Element (X) ZX X Mean No. of Hours with Temperature 132734 111725 96259 57.918.255 48.8 6.798 42.0 6.083 2291 2291 2291 Rel. Hum. 8453338 10 F ≤ 32 F € 93 F Dry Bulb 5554307 90 Wet Bulb 4129161 4,3 90 Dew Point 2291

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DATA PROCESSING ANARCH USAF ETAC AIR WEATHER SERVICE/MAC

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82/ 81 80/ 79							· · ·			1	,	,	.1	0				13	3 13		
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76/ 75 74/ 73							, 1	.3			1,3	1.0	.3		• C		-	53	53 88		
72/ 71					. 3	.1	.0	.4	4	1.1	1.7	1.0	2	.0	) )		<u> </u>	115	115		
68/ 67			g (/	1	. 2	. 3	.9	1,2	1.	1.6	. 9	.4					<u> </u>	164	164		
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62/ 61 60/ 59		.1	.3 .4	. 4	1.0		2.1	2.2	2.1			• 1						222	222 236	24 57	
58/ 57		• 1	. 3	.6	1.4	1.7	2.4	1.6	)	. 2				<del>                                     </del>				204	204	84	1
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Dew Point						<del> </del>		_	_						<del> </del> -			<del> </del>	1		

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DATA PRUCESSING BRANCH USAF ETAC ATR WEATHER SERVICE/MAC

#### PSYCHROMETRIC SUMMARY

LUKE AFB ARIZONA/PHOENIX 42-46,51-71 0900-1100 HOURS (L. S. T.) PAGE 2 Temp. (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 18/ 17 16/ 15 14/ 13 12/ 11 27 38 16 14 10/ 9 8/ 5 3 6/ 2/ 2 0/ -1 -4/ -5 -6/ -7 2292 7.010.311.213.513.712.910.4 2292 2292 2292 Element (X) No. Obs. Mean No. of Hours with Temperature Rel, Hum. 2292 4492584 92522 40.418.187 ≤ 0 F ≤ 32 F 267 F 273 F ≥ 80 F ≥ 93 F Total 61.6 7.761 48.9 5.258 34.810.111 8341009 5543316 141235 112072 79826 2292 2292 2292 Dry Bulb 90 Wet Bulb 90 Dew Point 35.2 3014414 90

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USAFETAC FORM

DATA PROCESSING ARAGEN USAF ETAC AIR MEATHER SERVICE/PAC

### **PSYCHROMETRIC SUMMARY**

LUKE AFB ARIZONA/PHOENIX 1200-1400 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B.-W.B Dry Bulb Wer Bulb Dew Point 90/ 39 88/ 87 86/ 85 84/ 83 30 30 82/ 81 80/ 79 • 5 • 3 93 2.6 , 1 175 173 1,1 2,4 2,1 1,6 2,4 1,5 78/ 77 76/ 75 2.2 184 197 • 7 184 197 73 . 0 235 215 71 70/ 213 69 1.2 213 68/ 67 170 170 .66/ 63 185 185 159 112 164 63 159 62/ 61 112 3 69 .0 • 7 • 이 60/ 59 16 21 57 58 287 •6 •3 58 36/ 55 382 44 54/ 53 52/ 51 38 •0 • 15 368 55 329 30/ 49 48/ 47 30/ 267 56 64 206 126 82 46/ 45 .43 53 130 157 191 42/ 41 31 • 0 40/ 182 38/ 37 35/ 35 194 34/ 33 194 31 183 20/ 29 139 116 107 26/ 25 24/ 23 No. Obs. Element (X) Mean No. of Hours with Temperature Rel. Hum. ≤ 32 F ≥ 67 F ≥ 73 F Dry Bulb Wet Bulb

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Dew Point

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAG

# PSYCHROMETRIC SUMMARY

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Rel. Hum.			9094	}	379		29.7	15.5	46	.55	88	<b>±</b> 0 1	- 1	≤ 32 F	≥ 67		73 F	≥ 80 F	= 93 I	F 1	Total
Dry Bulb		1156	5735	1	1516	95	70.7	7.7	85	22	88				62	9	39', 4	11,	6		
Wet Buib		643	8183		1208	77	52.8	4.0	77	.23	88		$\Box$			.0					ģ
Dew Point		298	3410		792	48	34,6	10.2	13	22	88		.1	35.2							$-\overline{z}$

FORM 0.26-5 (OL A) REVISEO MEVIOUS EDITIONS OF THIS FORM AL

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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

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#### PSYCHROMETRIC SUMMARY

23111 LUKE AFB ARIZONA/PHOENIX 42-46,51-71 NOV

STATION STATION NAME PAGE 1 1500-1700
HOURS (L. S. T.)

WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B. W.B. Dry Bulb | Wet Bulb | Dew Point 94/ 93 90/ 89 ,3 88/ 87 21 86/ 85 84/ 83 82/ 81 67 90 90 140 193 140 80/ 79 77 193 205 78/ 205 761 207 74/ 73 72/ 71 70/ 69 230 230 2,3 2,3 195 195 .5 202 202 .9 1.1 .6 68/ 67 175 175 ,7 1.0 .7 66/ 65 1.6 166 166 • 4 119 119 62/ 61 87 87 50/ 59 61 61 162 11 21 58/ 57 45 323 56/ 55 32 399 • 3 32 54/ 53 362 38 .1 • 0 .43 53 527 16 314 264 50/ 49 48/ 47 160 59 46/ 91 45 108 141 44/ 43 42/ 41 23 39 407 163 225 231 38/ 37 36/ 35 34/ 33 172 138 327 31 30/ 29 168 116 28/ 27 26/ 25 135 Mean No. of Hours with Temperature Element (X) ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F # 0 F ≤ 32 F Dry Bulb Wet Bulb Dew Point

Ţ DATA PRUCESSING PRANCH USAF ETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC LUKE AFB ARIZONA/PHOENIX 42-46,51-71 £ PAGE 2 1500-1700 Hours (L. S. T.) Temp. (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 24/ 23 22/ 21 110 76 20/ 19 18/ 17 41 15 13 20 12/ 10/ 8/ 9 5 0/ -42/ --3 TOTAL 5.8 6.1 9.8 13.7 15.1 12.8 13.4 8.7 4.7 2285 2285 2285 ž Ĩ æ õ 0.26.5 Element (X) No. Obs. Mean No. of Hours with Temperature 27.914.757 ≥ 67 F × 73 F × 80 F × 93 F 2275573 63743 2285 ± 0 F ⊴ 32 F 12000988 6537959 164612 121765 2285 2285 90 90 Dry Bulb 72.0 7.893 45.7 16.7 Wet Bulb 53.3 4.643 Dew Point 34.3 9.999 2285 90

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DATA PROCESSING PRANCH USAF ETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC LUKE AFB ARIZUNA/PHOENIX 42-46,51-71 1800-2000 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 | 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 231 | D.B. W.B. Dry Bulb Wet Bulb Dew Poin 82/ 81 80/ 79 78/ 77 76/ 75 74/ 73 72/ 71 . 0 76 100 100 70/ 69 68/ 67 1,2 1.7 2.5 3.1 156 156 184 184 66/ 65 222 222 64/ 63 246 2.9
2.5
2.4
1.7 62/ 61 60/ 59 2.5 270 2 270 22 .0 234 62 3 58/ 57 217 56/ 55 172 217 34/ 53 131 131 286 36 52/ 51 50/ 49 78 78 343 52 62 62 341 68 48/ 31 274 95 31 232 .0 123 171 46/ 16 44/ 43 185 42/ 41 131 187 40/ 39 207 240 238 56 36/ 35 34/ 33 32/ 31 160 143 30/ 29 28/ 27 110 99 :26/ :25 84 24/..23 67 22/ 21 54 30/.19 10/.17 10/.15 23

No. Obs.

Mean No. of Hours with Temperature

Element (X)

Dry Bulb Wet Bulb

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DATA PROCESSING PRANCHUSAF ETAC AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

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DATA PROCESSING MKA-CH USAF ETAC AIR WEATHER SERVICE/YAC

#### PSYCHROMETRIC SUMMARY

LUKE AFB ARIZONA/PHOENIX 42-46,51-71 PAGE 1 2100-2300 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point (F) 70/ 75 74/ 73 72/ 71 70/ 69 -61 6 35 37 37 68/ 67 . 2 . 1 66/ 65 64/ 63 63 1.0 , 1 128 128 62/ 61 186 186 2.3 2.7 2.3 2.5 2.0 2.2 1.0 1.7 2.3 2.6 60/ 59 58/ 57 2.5 289 289 23 19 21 279 279 2.6 1.5 274 56/ 55 54/ 53 133 35 264 264 2,3 2,6 52/ 51 226 214 184 56 .5 226 1.6 58 50/ 49 253 1.6 1.2 . 5 214 .8 1.2 .6 1.2 48/ 47 114 114 316 101 1.1 . 3 •1 46/ 45 96 342 87 87 .2 • 7 39 39 283 126 • 1 29 42/ 41 29 236 144 40/ 39 38/ 37 183 . 1 • 1 180 201 137 8 36/ 35 215 34/ 33 176 32/ 31 30/ 29 183 146 28/ 27 93 26/ 25 115 24/ 23 84 22/ 21 67 20/ 19 48 28 16/ 15 14/ 13 12/ 11 15 20 20 19 10/ ΣX Mean No. of Hours with Temperature Element (X) Rel. Hum. 10F 1 32 F 267 F 273 F 280 F 292 F

USAFETAC FORM 0-26-5 (OLA) RIVISIO MENOUS EDITIONS OF THIS FORM AND OK

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DATA PROCESSING 3KANCH USAF ETAC AIR WEATHER SERVICE/MAC

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DATA PROCESSI 5 SAA CHUSAF ETAC AIR MEATHER SERVIÇE/KAC **PSYCHROMETRIC SUMMARY** 23111 LUKE AFB ARIZONA/PHOELIX 41-45,51-71 0000-0200

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46/ 45			2 2	4 2	3,7	200		• 2	0					├				322	322	105	
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DATA PROCESSI'S ARA CHUSAF ETAC AIR MEATHER SERVICE/MAC

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DATA PRICESSING BRANCH USAF ETAC AIR "EATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

23111 LUKE AFB ARIZONA/PHOENIX 41-45,51-71 DEC

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54/ 53	. 1	. 5	.4	, 5	• ?	.4	• 1	• Ž			Г							70	70	27	13
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30/ 49	• C	• 9	1.4	1.1	2.0	1.1	.3	• 1										165	168		34
48/ 47	. 1	2.3	1.3	2.3	1,4	7	,3	• 2	ļ					<u> </u>				207	207	61	39
46/ 45	. 1	2.5		3.1	2,4			•0									l	272	272	139	26 34 39 51
44/ 43	. 3		3,5	3.5			. 5	•0						<u> </u>				340	340	179	98
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40/ 39	• 2					.2			<u> </u>					L			<u></u>	328	328		
38/ 37	• 1			3.1	1.0	.0			l	l	l	[		l	1 1		l	222	222		
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**PSYCHROMETRIC SUMMARY** 

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

23111 LUKE AFB ARIZONA/PHDENIX 41-45;51-71 DEC MONTH

PAGE 2 0300+0500 HOURS (L. S. T.)

WET BULB TEMPERATURE DEPRESSION (F) Temp. TOTAL TOTAL. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 7 31 D.3. W.L Dry Bulb Wet Bulb Dew Point TOTAL 1.620.023.427.217.7 6.7 2.5 1.0 2405 . 1 2408 2405 2405 No. Obs. Element (X) Mean No. of Hours with Temperature 64.317.970 43.2 5.875 38.2 5.826 31.0 9.291 10707117 154543 2405 267 F 273 F 280 F 293 F ≤ 0 F Rel. Hum. ± 32 F 104134 Dry Bulb 4586354 2408 2,2 91975 13.3 52.7 Wet Bulb 3599025 2405 74670 2405

C FORM 0.26-5 (OLA) REVISED MEVIOUS EXTRONS OF THIS

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DATA PROCESSING FRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

LUKE AFB ARIZONA/PHOENIX 0600-0800 PAGE 1 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 P.B W.B. Dry Bulb Wet Bulb Dew Poin 64/ 63 62/ 61 ٩ .0 60/ 59 14 58/ 57 • ol 20 56/ 55 30 30 , 1 53 54/ 32/ 51 • ž. 31 50/ 49 48/ 47 42 167 167 2.6 46/ 45 243 243 100 2.8 2.4 .2.0 3.0 151 304 304 41 293 293 224 109 39 4.9 3.6 4.1 320 257 130 40/ 320 38/ 37 281 281 303 112 2.6 3.2 1.9 3.0 166 36/ 35 230 366 230 33 325 204 32/ 31 • 5 59 220 250 30/ 29 28/ 27 149 220 34 .1 78 194 26/ 25 24/ 23 22/ 21 28 187 21 135 32 20/ 18/ 87 63 16/ 15 13 45 42 12/ 27 15 5 .8/ .6/ 3 Mean No. of Hours with Temperature Element (X) Rel. Hum. **±0** F ≥67 F ≥ 73 F ≥ 80 F ≥ 93 F Total Dry Bulb Wet Bulb

41-45,51-71

(OL A)

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

Mean No. of Hours with Temperature

93

93

≥ 67 F ≥ 73 F ≥ 80 F

| STATION | LUKE AFB ARIZONA/PHOENIX | STATION NAME | YEARS | YEARS | PAGE 2 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 | O600-0880 |

No. Obs.

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2413

2412

10 F

≤ 32 F

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19.3

FORM 10-26-5 (OL A) REVISEO MENOUS EDITIONS OF THIS FORM

\$77.30

Element (X)

Rel. Hom.

Dry Bulb

Wet Bulb

Dew Point

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4324325

3449017

2461242

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66,217,698 41,9 6,194 37,3 6,114 30,3 9,361

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23

DATA PROCESSING BRANCH USAF ETAC

PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC LUKE AFB ARIZONA/PHOENIX 0900+1100 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 74/ 73 70/ 69 15 27 68/ 67 66/ 65 64 64 . 3 62/ 61 91 91 , 2 1 125 125 60/ 59 175 1.3 2.0 2.8 2.0 58/ 57 56/ 55 195 195 259 259 37 1.1 1.5 1.7 1.5 1.7 2.0 2.5 2.1 25 27 2.0 54/ 53 265 265 52/ 51 231 140 231 50/ 49 190 248 248 67 272 199 199 46/ ·338 351 45 .4 178 178 43 .6 107 117 1,6 42/ 41 103 103 315 127 • 1 39 37 40/ 124 54 54 250

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38/

34/32/

30/ 28/ 27

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107

Element (X)

Rel. Hum.

36/ 35

26/ 25

33

31

21 19

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0.26-5

Mean No. of Hours with Temperature ≤ 32 F ± 0 F ≥ 67 F ≥ 73 F ≥ 80 F × 93 F Total

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

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STATION	<u> </u>	NE A	FB A	N I L L	TATION S	HORN	<u> 1 V</u>			41.	45,5	Named T		YE	ARS						EC
																		PAG	E 2	0900 HOURS (	L S
Temp.											SSION (							TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	De
4/ 3																					
2/ 1																***************************************					
42/ 43					<del>  -</del>	 			<del> </del>												
TOTAL	- 5	6.2	12.2	13.7	16.2	15.6	13.3	1 1 2	6.9	3.1	1.3	. 5	. 1				<del></del>	<del> </del>	2409		2
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Element (X)		ΣX,	1	-	ZX	1	X	-,	.—	No. O	· ·		ł	<u></u>	Mean N	lo, of H	outs wi	th Tempera	ture	<u> </u>	
Rel. Hum.		695	4751		1200	259		20.0	84		09	± 0	F	± 32 F	≥ 67		73 F	≥ 80 F	≥ 93	F	Tot
Dry Bulb		678	5919		1266	83	52.6	7.	76		09	<u>-</u> -		.1		. 2	. 1		1		_
Wet Bulb		467	0516		1052	248	43.	1 5.4	779	2.4	09			2,0							
Dew Point		275	7384	Ţ	778		32.3	9.9	65		09		.2	46.5		$\neg \neg$					3

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

LUKE AFB ARIZONA/PHOENIX PAGE 1 Temp. WET BULB TEMPERATURE DEPRESSION (F)

Temp.									ATURE									TOTAL		TOTAL	_
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	2 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Poi
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8/ 67				i	. 1	. 2	. 4		1.0	2.3	2.0	1,2	. 1	1	1	1	1	192	192		İ
6/ 65					.3	. 5	1,0	1.6	2,1	2.5	1.2	. 2	.0		<del> </del>		<del>                                     </del>	228	228		
4/ 63			.0	. 1	. 5	. 9	1.2	1.6	3,1	2.1	1,2	. 2	• •	1	1	Ì	)	254	254	j '	1
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B/ 57	.0		.3	. 9	1.2	1.5	1.9	1.5	1.0	.3	.0			<del> </del> -	<del>                                     </del>	<del> </del>	<del> </del>	210	210		
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DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

STATION			FB A	\$1	ATION N	AME				41-				YE	ARS				_	мо	EC ,
				_														PAGE	. 2	1200 HOURS (	<u>=14(</u> L. S. T.
Temp.							BULB .										,	TOTAL		TOTAL	,
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FORM 0.26-5 (OL A) IN SEP MENOUS EDITIONS OF THIS FORM ARE ORSOLETE PUT 64

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USAFETAC FOLM

DATA PROCESSING BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

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LUKE AFB ARIZONA/PHOENIX

STATION				S1	TATION N	AME								YE	ARS					MOI	NTH
																		PAG	E 1	1500	<u>+1700</u>
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DATA PROCESSING PRANCH USAF ETAC AIR WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

LUKE AFB ARIZONA/PHOENIX PAGE 2 Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL

Temp.										DEPRE					_			TOTAL		TOTAL	
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10/ 9				<u> </u>	l													ii			26
8/ 7							]	i										]			17
10/ 9 8/ 7 6/ 5 -4/ 3 2/ 1 0/ -1							<u> </u>					<u> </u>					<u></u>	<u> </u>			24 26 17 8
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Wer Bulb			7276	<u> </u>	1184	80	49.	4.5	20	24	14			7.2.72				<u> </u>			93
Dew Point		274	3358		774	88	32.1	110.3	GI	24	14		41	47.7	<u> </u>			<u> </u>			93

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DATA PROCESSING RAICH USAF ETAC AIR WEATHER SERVICE/MAC

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																		PAGE	1	1800 HOURS (	<b>=200</b> L. S. T.)
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	nt (X)		Σχ²		L	Σχ	_	X	σ,	<u></u>	No. O	bs.				Mean No.	of Hours wi	th Tamperatu			
Rel. H					ļ		_		<u> </u>			i	10	F	s 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93	F	Total
Dry B	ulb_						l_		<u> </u>							1	1				
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DATA PRECESSI & PRANCH USAF ETAC AIR MEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

23111 LUKE AFB ARIZONA/PHOENIX
STATION NAME 41-45,51-71 DEC YEARS 1800=2000 HOURS (L. S. T.) PAGE 2 Temp. (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 21 D.B. W.B. Dry Bulb Wet Bulb Dew Point 6/ 5 0/ -1 TOTAL 9.212.115.521.517.611.0 5.2 2410 2410 2410 Element (X) No. Obs. Mean No. of Hours with Temperature 119706 130462 106655 82277 2410 2410 2410 2410 Rel. Hum. 6743620 :0F 267 F 273 F 280 F 29° F 49.718.221 ± 32 F 54.1 5.960 45.1 5.023 34.1 9.442 7147964 4959497 Dry Bulb Wet Bulb 93 3023709 37.6 Dew Point

(OL A) REVISED MENIOUS EDITIONS OF THIS FOLM ARE OBSOLETE

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(FETAC FORM 0.26.5

DATA PRICESSI IS HANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

LUKE AFB ARIZONA/PHDENIX 41-45,51-71 DEC 2100-2300 PAGE 1 Temp. (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 70/ 69 68/ 67 66/ 65 . 0 64/ 63 62/ 61 60/ 59 19 19 54 . 8 58/ 57 82 82 159 56/ 55 159 54/ 53 52/ 51 1.6 2.0 1.9 2.2 46 14 1.8 230 230 293 293 40 2.3 50/ 49 48/ 47 1.4 3.0 1.2 337 337 111 58 195 59 372 372 .6 2.4 46/ 45 1.7 2.7 3.0 284 219 284 254 85 128 337 219 42/ .1 1.4 119 41 39 1.6 360 . 0 161 161 357 96 96 165 .5 .5 38/ 37 . 6 281 194 46 46 173 99 36/ 34/ 33 196 .0 15 32/ 31 194 64 30/ 29 28/ 27 20/ 25 24/ 23 22/ 21 20/ 19 18/ 17 16/ 15 164 163 131

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Element (X)

Dry Bulb Wet Bulb Dew Point

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s 32 F

Mean No. of Hours with Temperature

≥ 80 F

≥ 67 F ≥ 73 F

≥ 93 F

No. Obs.

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DATA PROCESSI: G THA CHUSAF ETAC AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23111 STATION	<u> </u>	KE A	FB A	RIZE	INA/P	AME AME	IX.			41-	45,5	1-71		YE	ARS			<del></del>		<u>D</u>	EC.
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Temp.						WET	BULB	TEMPE	RATURE	DEPRI	SSION	F)						TOTAL		TOTAL	
(F)	0	1 . 2	3 - 4	5 . 6	7 - 8								23 - 24	25 - 26	27 . 28	29 - 30	231	D.B. W.B.	Dry Bulb		Dew
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Wet bulb		425	1928	1	1004	145		5		24	199 109			4.1		-44		<del> </del> -			
Dew Point		77.	6879	;		33		9			09		.2	43.6	<b></b>			<del> </del>		-	

DATA PROCESSI: 3 BRANCH USAF ETAC AIR WEATHER SERVICE/MAC

#### MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY DBSERVATIONS

LUKE AFB ARIZONA/PHOENIX

41-46,51-72

STATION		ŞTATI	ON NAME						YEARS				
RS (LST)	JAN	FEB	MAR	APR.	MAY	JUN	JUL	AUG	SEP	oct	NOV .	DEC	ANNUA
MEAN	45 4		53,8	61.2	70.3	78.8		83 . 5	76.9	64.0	52.2	45.8	64
00-02 SD	6,062			6,998		6,965			6.544		6,315	5,634	15,6
TOTAL OBS	2393	2135	2313	2366	2499	2383	2442	2414	2336	2415	2293	_2406!	283
MEAN	(2.0	44 0	- En 1		44 3	72 2	N2 0		72.9	40 .	40.4	(2 0)	
	42,9 6,207		50.1: 0.452	56.7	64.9	73.2	82.0	80.1		60.5		43.2	15.
3+05. S D I	2405	2136		2366	2499	2382		2411	2335	6,679	2291	5,875 2408	28
		6130	<u>. 4444</u>		<del></del>	0302	<u></u>				2571	- <del>4700 j</del>	59
MEAN	41.4	44.5	49.6	57.9	67,5	76.1	83.5	81.1	73.5	60.9	48.8	41.9	6
\$₩08, S 0	6.472		0.582		7,437	7.442	5,168		6.812		6.798	6.194	16,
TOTAL OBS	2456	2136	2315	2366	2494			2410			2291	2413	28
			لينب										
, MEAN	51,3		61,7			88.9	93.3					52.6	7
9-11 S D	7,222			8,153			5,187				7,761		
TOTAL OBS	2394	2134	2316	2366	2492	2382	2484	2415	2337	2411	2292	2409	28
MEAN	61.2	65.0	70.2	78.7	88.2	96.6	100.3	97.4	94.2	83.6	70.7	62.3	8
2-14 SD	7.122		6.802	9.017			5.557				7,785		15
TOTAL OBS	2461	- 1	2310			2382			2335	2412		2411	2
				<del></del> ;							<del></del>		
MEAN	63,7			81,4		99,8	103,7	100,4	96.6			63,8	8
5-17 S D	7,305		9,212		8.127	7 6334	3.467					7,249	16,
TOTAL OBS	2400	2129	_2311	2302	2494	2386	2495	2416	2336	2414	2285	2414	28
MEAN	55.1	60.6	67.1	75.9	86.1	95.4	99.3	95,4	89.6	75.8	61.8	54.1	7
8=20 S D	6.691		5.890			7.550	6.363	6.445			6.962		17.
TOTAL OBS	2397	2140	7 7 1	2362	2498	2384		2416			2290		28
										-			
MEAN	48,6				76.6	85.7	91,4	87,9	8141				Ş
1-23 S D	6,042					6 4957		5,720		6,962			16
TOTAL OBS	2391	2144	5315	2369	2494	2385	2496	24 5	2338	2417	2291	2409	28
MEAN	51.2	8 K - 2	60.4	46 7	70.1	86.9	92,5	80.4	83,9	71 4	80.0	61.5	7
ALL SO	51.2	55,2 10,873	60.6	66.7	75.1	86.8	2 3 8 3	89.6	11.034	71.6	59.Q	51.5	18
HOURS TOTAL OBS					10067	AAAPI	19804	19313	TRAFO	19247	18221	19280	227
	- 17.19		*******	- 4 7 E A	_A779]	<u> </u>		A7343	TAAAA				66.6

USAFETAC FORM 0.89-5 (OL1)

### MEANS AND STANDARD DEVIATIONS

WET-EULB TEMPERATURES DEG F FROM HOURLY DBSERVATIONS

23111 L	HKE AFR	ARIZONA/PHOENIX

41-46,51-72

STATION		STATI	ION NAME						YEARS			_	
S (LST),	JAN	FEB	MAR	APR.	MAY	NUL	JUL	AUG	SEP	oct ,	NOV	DEC	ANNUAL
MEAN 00-02: D TOTAL OBS	39,5 5,986 2393		44.3 5.057 2313	47.8 4.800 2366	52,1 4,525 2499	57,4 5,258 2383		69.0 4.354 2414	5.799 2338	52.7 6.088 2415	44,1 5,744 2293	39,9 5,550 2405	11.4 283
MEAN 13+05 S D TOTAL OBS	37.8 6.215 2405			45.7 4.897 2366	49,9 4,646 2499	55.2 5,718 2382	5,445	68.2 4.842 2410	0,241	6.397	42,4 5,944 2291	38.2 5.826 2405	49 11,7 283
MEAN	36,8 6,421 2406		42.1 5.360 2316	46.6 5.179 2365	51.6 4.839 2493	57.1 5.696 2382	5,233	4.732	6,249	5.480	42,0 6,083 2291	37.3 6.114 2412	50 12,4 284
MEAN 9411 S D TOTAL OBS	42.7 5.909 2394		45.2 4.979 2316	52.7 4.901 3366	57.2 4.216 2491	62.1 4.593 2379	4,020	71.5 3.568 2415	4,956	5,633	48.9 5,258 2293	43.7 5,479 2409	5! 11.0 284
MEAN 2 14 S D TOTAL OBS	47.6 5.206 2401	49,2 5,226 2132	51.7 4.834 2310	55.3 4.871 2364	59.5 4.082 2495	64.2 4.251 2379	3,565	72.6 3.151 2414	4,345	5,069	52.8 4.67 2288		28
MEAN 5 D TOTAL OBS	48 • 7 5 • 046 2400	5,118	4.716	55,9 4,726 2362	60.0 3.974 2494	-4,113	3,233	72.6 3.011 2416	4.158	4.903	53,3 4,643 2285		9.0
MEAN S D TOTAL OBS	45,2 5,462 2397	5.477	4.814	53.9 4.637 2362	58,3 4,021 2497	4.319	3,220	3.214	4,522	58.0 5.341 2412	49,6 5,221 2290	45.1 5.023 2410	10 28
MEAN S D TOTAL OBS	41.6 5.797 2391	43,9 5,784 2144	4.897	50.5 4.643 2369	54;7 4,124 2494	4.750	3,997	3.831	5.243	5,849	46.0 5.534 2291		11. 28
ALL S D TOTAL OBS	42.5 7.104 19187	7.0.2	-0.287	51:1 6:131 18920	5.040	-5,931	4.092	70,5 4,224 19309	5,922	6.856	47,4 6,825 18321		11. 227

USAFETAC FORM 0.89-5 (OLI)

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### MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

23111	LUKE	AFB	ARIZONA/PHOENIX
7,000	FOILE	71.5	WIND WINDS AND THE VEHICLE

41-46,51-72

STATION			STAT	ION NAME						YEARS				
HRS (LST)		JAN	FEB	MAR.	APR	MAY	JUN.	JUL	AUG	SEP	OCI	NOV	DEC	ANNUAL
	WEYN	31,0				33,3	38.4			52,3	42.1	34,0	31,7	39,5
00-02	S D	10,666			8.981 2366		10,013 2383	10.614	8.297	9,865 2338	9,991		2405	14,27 2839
	TOTAL GOS					4777	6999	<u> </u>	_6747	<u> </u>	<u> </u>	2675	2902	2037;
	MEAN	30,2	30,6	32,0	32.6	33,8	38,8	50.8	61,6	52,3	41,7	33,4	31.0	39,
03÷05		10,464						10.477	0.277	9,753	9,920	9,777	9,291	14,38
	TOTAL OBS	2405	2136	2311	2366	2499	3382	2412	2410	2333	2412	5557	2405	2936
	MEAN	29.7	30.1	32,2	33,5	35,4	40.7	58.0	62.3	52,6	42.0	33,3	30.5	40.
06-08				9,154	8,662	8,277	9.640	9.945	62.3 7.979	9,676	9.711	19.467	9,361	14,49
	TOTAL OBS	2406	2136	2316	2365	2493	2382	2490	2409	2335	2414	2291	2412	2844
	MEAN	31.3	31.5	32.7	34.2	36.0	41.1	57,5	6,20	53.4	43,2	34,8	32.3	41.0
09-11	S C	10.909	11,187	10.054	9,313	8,188	9.602	9,045	7,529	9,419	10,129	10,111	9.965	14,27
	TOTAL OBS	2394	2134	23.6	2366	2491	2379	2483	2415	2837	2410	2292	2409	2842
	MEAN	51.2	30.7	31,8	32.8	34,3	.39,5	55.8	60,1	.52:2	42 '7	34.4	.32.2	40;0
12-14		11.679	11.094	10.470	9.425	8,505	9.782	55,8 9,567	7.686	9.520	10.048	10.213	32.3 10.358	14.18
	TOTAL OBS	2401						2492	2414	2334	2412	2288	2411	2843
	MEAN	30.9	29,2	29,6	30 4	32.5	37.5	K4 2	:86 2		41 1	34 .3	27 1	30
15=17				10.522	30.6 9.693	8,545	10,164	54.2 9.138	7.774	9,768	41.2	34.3		38, 14,02
	TOTAL OBS	2400				2494		2495	2416	2336				2843
			23.4	7.		200	25 9							20.4
13-20	MEAN S D	33.0		31.4	31.4 9.268		37.7 9.989	55.0 8,793	7.600	9,400		9,295		39.9 13.53
	TOTAL OBS	2397				2497	2384	2488	2416	2334	2412			2844
						1								
21-23	MEAN S D	32.2			32.6	33,2	38.2	9,806	60.5	52.7			32.6	40.
TÄLES	TOTAL OBS	10.782	2144		9,201		10,068	2495		9,448		10.671 2291		13,97 2845
					•	·								
Ali	MEAN	31,2		31.9	32,5	33.9	39.0	50.3	60.6	52.2	42.4	34,5	32.1	39
HOURS	S D	10.950	11.210		9,227	8,512	10.001	9,830		9,653		9.922	9.823	14,160
	10171 003	<u> </u>	TT 1.463	10500	107E()	17702	TEGO	17170	17910	18685	19305	18321	19275	22740

USAFETAC FORM 0 89-5 (OLI)

#### **RELATIVE HUMIDITY**

23111 LUKE AFB ARIZONA/PHOENIX

41-40,51-72

PERIOD

ALL

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAG	E FREQUENCY	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN	TOTAL
MONTH	(L S T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	NO CF CBS.
JAN	ALL	99.7	92,0	78.8	63.4	48.5	35.5	23.4	13.0	4.4	51.4	19187
FEB		99.1	85,3	67.5	51.C	-37.4	26,0	15.7	8,2	2,5	44.8	17084
MAR		97.9	79.0	58.7	40.8	26.9	17,4	10.2	5.0	1.3	39.2	18497
APR		95.9	60.5	40.3	22.4	11.1	6.0	3.3	1.5	,3	30.0	18919
MAY		90.8	48,1	21.0	8.6	3,5	1,5	,9	,4	•1	22.8	19962
אטנ		88.1	43,1	16.5	5,0	1.9	,9	.4	,1		20.9	19055
JUL		97.8	70,0	49.2	27.3	14.7	7,5	4.0	1,6	•2	33.3	19799
AUG		99.6	90,9	69.3	46.1	28.4	15,8	8.2	3,2	•7	41.7	19308
SEP		99.1	83,1	59.3	37,4	21,7	11,5	.5.7	2,3	, 5	.37,5	18684
OCT		99.3	84,5	62.9	41.7	23.9	12.9	6.7	3,4	.8	39.1	19303
NGV		99.2	0 € • 8	7131	53.1	.36.5	22,6	13.1	5,6	1,7	44 47	19321
DEC		99.6	93,5	81.3	66,9	50.3	35,1	22,9	12.6	4.2	52.2	19274
to	TALS	97.2	77,6	36.3	38.6	25.4	16.1	9,5	4.7	1.4	35.1	227393

USAFETAC 0-87-5 (OL A)

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#### RELATIVE HUMIDITY

23111 LUKE AFB ARIZONA/PHOENIX
STATION STATION NAME

42-40,52-72

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

нтиом	HOURS			PERCENTAG	E FREQUENCY	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL NO OF
MUNIN	(L S.T)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS.
JAN	00=02	100.0	ye,3	92.9	80.3	64,9	49,5	33.7	19.0	6.3	60.0	2393
	03-05	100.0	98,8	95.0	85.6	71.4	56.8	39.8	24,1	9.1	63,7	2405
	06-08	100.0	99.3	96.2	89,2	'76.3	61,0	43,4	24,9	8.9	65.3	2406
	09-11	99.8	74.5	80.9	63.2	45.7	30.5	17.5	8.5	3.0	50.0	2394
	12-14	99.1	80,6	52.7	32,7	19.3	11.1	5,2	3.5	.9	36.0	2401
	15-17	98.5	72.9	44.8	25.2	14.2	8.7	5.4	2.9	. 8	32.7	2400
	18+20	99.8	94,2	77'66	56.2	37.9	24,3	12,4	6,7	2.0	-46.7	2997
	21-23	100.0	97,6	90.0	74.3	58.5	42.2	27.4	14;1	4.3	56.4	2391
E.	-	1				<del> </del> -						
	st:											
	Section of the second											
iç	TALS	99.7	92.0	78.8	63.4	48.5	35.5	23,4	13,0	4 , 4	51.4	19187

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#### **RELATIVE HUMIDITY**

.23111 STATION

LUKE AFB ARIZONA/PHDENIX STATION NAME

42-46,52-72

PERIOD

FEB MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PERCENTAG	E FREQUENCY	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL NO OF
MONTH	(L S T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	YTIDIMUH	OSS.
FEB	20-02	100.0	97.0	84.2	69.4	54.3	37.4	22.2	12,5	4.1	53,6	2135
	03-05	100.0	98,5	90.1	76.8	62.8	46.9	28.1	15,6	5,2	58.0	2136
	06=08	100.0	98,7	92.8	78.7	66.1	51.2	31.9	16.8	5.2	59.7	2136
	09=11	99,9	90,2	69.1	49.2	32.8	20.3	11.2	4.7	,9	43.4	2134
	12-14	97.6	68,0	41.3	22,4	12.2	7.4	4,1	2.1	.6	31.0	2132
	15-17	95.6	50,3	29.2	15.9	8.6	5,3	4.2	1,8	.7	27.1	2127
	18=20	99,5	80,1	55.0	35,0	20.3	12.6	7.6	3,6	.7	37.0	2140
	21-23	99,9	93,8	78.6	60,3	.42,4	25.7	16,1	8,5	2.2	-48,4	2144
то	TALS	99.1	85,3	67.5	51.0	37.4	25.0	15.7	8.2	2.5	44.8	17084

USAFETAC

0-87-5 (OL A)

#### **RELATIVE HUMIDITY**

23111 STATION

LUKE AFB ARIZONA/PHOENIX

42-45,52-72

MAR

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

нтиом	HOURS			PERCENTAG	E FREQUENCY	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL NO OF
MONIH	(LST)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS.
MAR	00-02	100.0	95.5	79.8	57.5	38.5	25.6	15.2	7,9	1.9	.47.8	2313
	03+05	100.0	97,4	88.6	69.5	49.8	33,1	20.4	10.5	3.4	52.9	2311
	06=08	100.0	97,5	89.9	74.2	53.2	35,8	20.6	10,1	3.0	54.0	2316
	09-11	99.1	83,5	57.2	36.4	20.9	11,6	6.7	2,4	.6	37,2	2316
	12-14	95.8	59.0	31.:	16.2	8.8	5,2	2,6	1.0	.1	27,4	2309
	15-17	61.0	42.9	20.8	10,3	6.0	3,6	2.1	1.3	•1	23,1	2310
,	18-20	97.5	60,4	35.7	19.6	11.8	7,5	4,7	2.1	. 5	30.0	2311
<del></del>	21-23	99.7	90,0	66.4	42,4	25.8	16,6	9,3	4,8	1.0	41.C	<u>2311</u>
<del></del>		-								<del></del>		
TC	TALS	97.9	79.0	58.7	40.8	26.9	17.4	10.2	5.0	1.3	39.2	18497

USAFETAC

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0-87-5 (OL A)

#### **RELATIVE HUMIDITY**

LUKE AFB ARIZONA/PHOENIX
STATION NAME

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42-46,51-72

APR

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

			<del> </del>	<del> </del>		<u> </u>		<del>                                     </del>				•0	<del>                                     </del>	236
1	- 118420   94.5   42.6   15.8   7.7   4.4   2.8   1.4   .7   .1   22.1   23		15=17	83.3	25,3	8.0	7.17	2.7	2.6	1 -4	.5		27.1	<del></del>
		<del></del>	18=20	93.5	42,6	15.6	7,7	4.3	2,6	1,4	•7	.1	22.1	236
			<del> </del>	<del> </del>		<del> </del>	<u> </u>	<del> </del>					<del> </del>	236 236
		<del></del>	21-23	99.3	75,9	38.9	17.6	8.2	5,0	3.2	1,2	.3	-30,2	— <u> </u>
18=20 93.5 42.6 15.8 7.7 4.3 2.6 1.4 .7 .1 22.1			18-20	93.5	42,6	15.8	7,7	4.3	2,6	1,4	<i>•</i> 7	.1	22.1	<del></del>
18=20   93.5   42.6   15.8   7.7   4.3   2.6   1.4   .7   .1   22.1	18×20   93×0   42×6   15×8   7×7   4×3   2×5   1×4   ×7   ×1   42×1   43		<del>                                     </del>	<del> </del>	1		<del> </del>					.1		<u> </u>
			15=17	83,3	25,3	8.0	4.1	2.7	1.7	, 9	, 5		17,8	23(
			12-14	92.4	40,2	24.1	5,2	2.5	1.5	.9	.4	•0	20.9	236
15-17 83.3 25.3 8.0 4.1 2.7 1.7 .9 .5 17.8	15-17 83.3 25.3 8.0 4.1 2.7 1.7 .9 .5 17.8 23		09-11	98.5	67.6	34.7	15.0	6.6	2,8	1.2	. 5	•0	28.2	236
12-14 92.4 40.2 14.1 5.2 2.5 1.6 .9 .4 .0 20.9 15-17 83.3 25.3 8.0 4.1 2.7 1.7 .9 .5 17.8	12-14 92.4 40.2 14.1 5.2 2.5 1.6 .9 .4 .0 20.9 23. 15-17 83.3 25.3 8.0 4.1 2.7 1.7 .9 .5 17.8 23.		06-08	100.0	69.62	75.9	49,0	24.6	12.6	6.2	2,7	,6	42,1	23
09-11 98.5 67.6 34.7 15.0 6.6 2.8 1.2 .5 .0 28.2 12-14 92.4 40.2 14.1 5.2 2.5 1.6 .9 .4 .0 20.9 15-17 83.3 25.3 8.0 4.1 2.7 1.7 .9 .5 17.8	09-11 98.5 67.6 34.7 15.0 6.6 2.8 1.2 .5 .0 28.2 230 12-14 92.4 40.2 14.1 5.2 2.5 1.6 .9 .4 .0 20.9 230 15-17 83.3 25.3 8.0 4.1 2.7 1.7 .9 .5 17.8 230		03-05	99.9	95,7	76,3	48,7	25.3	13.1	7.3	3,3	.7	42.5	23
06-08     100.0     \$5.6     75.9     49.0     24.6     12.6     6.2     2.7     .6     42.1       09-11     98.5     67.6     34.7     15.0     6.6     2.8     1.2     .5     .0     28.2       12-14     92.4     40.2     14.1     5.2     2.5     1.6     .9     .4     .0     20.9       15-17     83.3     25.3     8.0     4.1     2.7     1.7     .9     .5     17.8	06=08     100.0     \$5.6     75.9     49.0     24.6     12.6     6.2     2.7     .6     42.1     23.0       09=11     98.5     67.6     34.7     15.0     6.6     2.8     1.2     .5     .0     28.2     23.0       12=14     92.4     40.2     14.1     5.2     2.5     1.6     .9     .4     .0     20.9     23.0       15=17     83.3     25.3     8.0     4.1     2.7     1.7     .9     .5     17.8     23.0	APR	20+00	99.9	89,0	58.5	31,5	14.3	8.6	4.9	2.5	.4	36.5	<del></del>
03-05     99.9     95.7     76.3     48.7     25.3     13.1     7.3     3.3     .7     42.5       06-08     100.0     \$5.6     75.9     49.0     24.6     12.6     6.2     2.7     .6     42.1       09-11     98.5     67.6     34.7     15.0     6.6     2.8     1.2     .5     .0     28.2       12-14     92.4     40.2     14.1     5.2     2.5     1.6     .9     .4     .0     20.9       15=17     83.3     25.3     8.0     4.1     2.7     1.7     .9     .5     17.8	03-05     99.9     95.7     76.3     48.7     25.3     13.1     7.3     3.3     .7     42.5     23       06-08     100.0     \$5.6     75.9     49.0     24.6     12.6     6.2     2.7     .6     42.1     23       09-11     98.5     67.6     34.7     15.0     6.6     2.8     1.2     .5     .0     28.2     23       12-14     92.4     40.2     14.1     5.2     2.5     1.6     .9     .4     .0     20.9     23       15-17     83.3     25.3     8.0     4.1     2.7     1.7     .9     .5     17.8     23			<del> </del>	<del></del>	<del> </del>	<del> </del>	<del> </del>					<del> </del>	
APR 00m02 99.9 89.0 58.5 31.5 14.3 8.6 4.9 2.6 .4 36.5 03m05 99.9 95.7 76.3 48.7 25.3 13.1 7.3 3.3 .7 42.5 06m08 100.0 \$5.6 75.9 49.0 24.6 12.6 6.2 2.7 .6 42.1 09m11 98.5 67.6 34.7 15.0 6.6 2.8 1.2 .5 .0 28.2 12m14 92.4 40.2 14.1 5.2 2.5 1.6 .9 .4 .0 20.9 15m17 83.3 25.3 8.0 4.1 2.7 1.7 .9 .5 17.8	00m02     99.9     89.0     58.5     31.5     14.3     8.6     4.9     2.6     .4     36.5     23       03m05     99.9     95.7     76.3     48.7     25.3     13.1     7.3     3.3     .7     42.5     23       06m08     100.0     95.6     75.9     49.0     24.6     12.6     6.2     2.7     .6     42.1     23       09m11     98.5     67.6     34.7     15.0     6.6     2.8     1.2     .5     .0     28.2     23       12m14     92.4     40.2     14.1     5.2     2.5     1.6     .9     .4     .0     20.9     23       15m17     83.3     25.3     8.0     4.1     2.7     1.7     .9     .5     17.8     23	HTHOM	HOURS (LST)	10%	20%	30%	40%	50%	HUMIDITY GR	70%	80%	90%	RELATIVE HUMIDITY	ATOTA O ON 28O

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#### **RELATIVE HUMIDITY**

23111

LUKE AFB ARIZONA/PHOENIX

42-46,51-72

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAG	E FREQUENCY	OF RELATIVE	HUMIDITY GR	EATER THAN			MEAN	TOTAL
нтиом	(LST)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	NO OF OBS.
МДУ	00-02	99.4	69.9	29.6	12.2	5.2	2.2	1.5	. 8	.1	27.5	2499
	03-05	99.8	87,4	51.1	23.0	9.0	3.6	2.1	1,1	.1	33,3	2499
	05=08	99.7	84,2	49.0	20,7	7.5	2,7	1.5	•6	.1	.32,3	2493
	09-11	96.7	44,1	14.0	4.0	1.4	•7	,4			21.6	2491
, , , , , , , , , , , , , , , , , ,	12-14	82.0	20,1	3.9	1.0	.6	, 4	,1			15.9	2495
	15-17	69.2	12,4	2.2	1.0	,6	. 3	, 1	,1		13.8	2494
	18=20	82.5	19.2	4.4	2,0	1.2	•7	.4	, 2		16,1	2497
	21-23	97.1	45,1	14.0	5.1	2.3	1,5	1.0	,5	•1	22.1	2494
10	TALS	90.8	48,1	21.0	8.6	3.5	1.5	.9	,4	.1	22,8	19962

USAFETAC FORM 0-87-5 (OL A)

#### **RELATIVE HUMIDITY**

23111 STATION

LUKE AFB ARIZONA/PHOENIX

42-46,51-72

JUN MONTH

PERIOD

#### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAG	E FREQUENCY	OF RELATIVE	HUMIDITY GR	EATER THAN			MEAN	TOTAL
MONTH	(LST)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NO OF OBS.
JUN	00=02	98.4	64,1	22.0	5.8	2.3	1.2	.6	, 3		24.9	2383
	03-05	99.7	84.0	42.5	13.6	4,4	2,1	1,3	•4	•0	30,3	2382
	06-08	99.2	82,5	40.2	12.6	4.4	1,8	.8	, 3	.0	29,6	2382
·	09-11	03.9	38,9	10.3	2,6	1.1	,4	,1			20.2	2379
	12-14	78.6	10,0	3,5	,6	.3	. 2	.0			15,1	2379
·	15-17	64.4	7,2	2.3	.7	,3	. 2	.1			12,7	2383
	18-20	76.3	13,4	2.9	1.2	•9	.4	,1			14,7	2384
	21=23	94.0	38,6	8.6	2.9	1.5	•,7	.4	•0		20,0	2383
	ļ											
10	TALS	88.1	43,1	16.5	5.0	1,9	• 9	.4	, 1		20,9	1905

0-87-5 (OL A) USAFETAC

#### **RELATIVE HUMIDITY**

23111 LUKE AFB ARIZONA/PHOENIX
STATION NAME

42=46,51=72

JUL

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAG	E FREQUENCY	OF RELATIVE	HUMIDITY GR	EATER THAN			MEAN RELATIVE	TOTAL NO. OF
нтисм	(L.S T)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OSS.
JUL	00-02	99.6	88.7	66.8	38.6	21.8	12.2	6.6	2,9	.4	39.3	2441
	03=05	100.0	95,1	50.0	54,2	-33.8	17,6	9.7	3,9	.7	45,1	2412
	06=08	99.9	95,2	80.5	55.9	31.8	15,3	8.0	2.6	.3	44.5	2490
	09-11	99.0	81,0	53,4	23,6	9.8	4.3	1,7	•7	•0	32.8	2483
	12-14	95.5	62,5	25.6	8,2	3.0	1.4	,6	•3	.0	25,1	2493
	15=17	92.4	46,1	13.9	3.7	1,7	.7	.4	, 1		21,3	2495
	18-20	96.9	58,6	25.0	10.1	4.0	1.8	1,2	•7	.2	25.3	2489
	21-23	99.0	87.0	48.7	24,1	12,0	6,9	3,6	1,8	.2	33,2	2496
10	TALS	97.8	70,0	49.2	27,3	14.7	7.5	4,0	1,6	,2	33,3	19799

#### **RELATIVE HUMIDITY**

23111 LUKE AFE ARIZONA/PHOENIX

42-46,51-71

AUG

STATION NAME

PERIOD

HINOM

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

монтн	HOURS			PERCENTAG	E FREQUENCY	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL NO OF
MONIH	(LST)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OAS
AUG	00+02	100.0	94.3	89.3	66,3	42.5	24.9	13.7	5,6	1.1	49.6	2414
	03-05	100.0	99,4	94.6	81,7	59.4	35,8	20.0	8,1	1.5	55,6	2409
	06-08	100.0	99,3	95.2	81,7	59,4	33.7	17.6	6.4	. 6	55,0	2409
	09-11	99.3	95.0	76.6	45,1	20.8	9,1	3.1	1.1	•7	46.7	241
	12=14	99,2	83,6	47.3	17.4	5.8	2.8	1.1	,6	•1	31.4	2414
	15-17	98.5	71.8	28.5	8,6	3.6	1,6	, 9	,4	.1	26,8	2416
	18-20	99.6	33,4	46.1	21.0	10,3	4,6	2.1	•8	.2	-32.3	2410
	21-23	99.8	96,1	76.5	47.1	25.3	14,2	7.2	2.7	•7	42,5	241
										74		
10	TALS	99.6	90,9	59,3	46,1	28,4	15.8	8.2	3,2	17	41.7	1930

#### **RELATIVE HUMIDITY**

23111 STATION LUKE AFB ARIZOMA/PHOENIX

42-46,51-71

PERIOD

SEP

MONTH

#### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PERCENTAG	E FREQUENC	Y OF RELATIVE	HUMIDITY G	REATER THAN			MEAN	TOTAL NO OF
MONIN	(LST)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS.
SEP	00-02	100.0	97.7	81.1	54.3	31.8	16.5	8.4	3.9	.8	44,9	233
	03-05	170.0	99,2	92.9	70,4	.44.1	24.8	12.7	5:1	1.0	50.5	233
	05-01	120 0	90,9	91.0	70.2	45.0	24.3	11.6	4,6	, 9	50.1	233
	09-11	39.9	88,2	55.0	28.4	13.4	5.6	2.4	1.0	.2	34.9	233
	12-14	98.7	64,4	28.7	10.9	4.8	2.5	1,3	• 3	.1	26.6	2334
	15-17	95.8	47.9	18,5	7.7	3.9	2,4	104	,3	, 2	23.1	2336
	18-20	99.1	74.1	36.9	17.4	8.8	5.0	2,7	1.1	.4	30.1	233
	21-23	99.9	94.5	70.2	39;7	21.6	11,2	5.2	2,3	.5	40.1	233
<del></del>												
TO	TALS	99.1	83.1	59.3	37.4	21.7	11,5	5.7	2.3	.5	37,5	1858

### **RELATIVE HUMIDITY**

LUKE AFB ARIZONA/PHOENIX

42-40,51-71

OCT

C

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAG	E TREQUENCY	OF RELATIVE	HUMIDITY GR	REATER THAN			MEAN RELATIVE	TOTAL
MONTH	(LST)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	NO OF OBS
CCT	20-02	100.0	98,2	06.7	61.1	36.2	18,5	10.0	5.1	1.0	47,1	2415
	03-05	100.0	98.9	94.0	74.8	47.8	26.4	13.2	6.8	1.7	51.9	2412
	06=08	99.9	98,4	92.9	75,5	48.6	27.4	13.6	6,7	1.9	52.1	2413
	09-11	99.5	85,5	53.4	27.2	13.8	7.1	3.7	2,1	,5	34.9	2410
	12-14	5,50	60,5	24,6	11.5	5,5	2.8	1.2	,7	.2	26.0	2411
	15-17	97,1	49.4	17.8	8.5	4.2	2.5	1.4	•7	.1	23,5	2414
	18-20	99.7	88.1	53,6	23.6	9.9	5,9	3.5	1,6	,4	34.1	2412
	21-23	99.9	57,2	5,00	51,8	25.5	12.6	7.1	3.7	.5	43,4	2416
ŢΟ	TALS	99.3	84.5	62.9	41.7	23.9	12.9	6.7	3,4	.8	39.2	19303

USAFETAC 708M 0-87-5 (GL A)

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### RELATIVE HUMIDITY

23111 STATION LUKE AFB ARIZONA/FHOENIX

42,46,51-71

NOV

#### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HTHOM	HOURS			PERCENTAG	E FREQUENCY	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL NO OF
HINGM	(LST)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS.
MCV	00-02	99.9	97.8	89.2	72.6	51.4	31.4	19,3	7.8	2,7	52.7	2293
	03-05	100.0	98.3	92.7	80.1	60.9	41.6	24.4	11,3	3.4	56,9	229
	06-08	100.0	98.4	93.3	81.1	63.7	44.2	26.4	11,5	4.0	57.9	538
	09-11	99.2	89.1	63.9	43.4	26.7	14.8	7.5	3.0	1.0	40.4	229
	12-14	97.3	65.1	36.5	19.1	10.4	5,2	2,8	1.2	.4	29.7	2288
	15-17	97.5	65,0	30,5	15,8	8.7	3.9	2,5	1.3	.3	27,9	228
	18-20	99.7	93.4	75.5	46.6	25.6	14.0	6.8	2.5	,5	42.1	229
·····	21-23	99.9	95,9	97.4	66.0	44.3	26,0	14.8	6,1	1,5	49.7	229
	ļ	<u> </u>			<del> </del>	<del> </del>	<del>                                     </del>		<del> </del>			
10	TALS	99.2	88,8	71.1	53.1	36.5	22,6	13,1	5,6	1.7	44,7	1832

#### **RELATIVE HUMIDITY**

23111 LUKE AFB ARIZONA/PHOENIX

41-45,51-71

DEC

C

STATION NAME

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HTHOM	HOURS			PERC SHITAG	E FREQUENCY	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN	TOTAL
MUNIN	(LST)	10%	20%	:0%	40%	50%	60%	70%	80%	90%	RELATIVE	NO OF OBS.
DEC	00-02	100.0	98,8	92.3	85.6	66.0	45.9	30.9	18,5	6.1	60.4	2404
	03-05	100.0	59.5	97.2	90.7	76.3	55.0	37.0	21,9	8,5	64.3	2405
	06-08	100.0	99,5	97.6	91.7	80.6	61.3	41.3	24.7	8.7	66.2	2412
	09-11	99.7	95,6	81.2	62.6	44.3	29.9	18.9	8,2	2.4	49.8	2409
	12-14	98.7	81.1	52.5	32,3	20.0	11,7	6,8	3.0	•7	36.2	2411
	15-17	98.5	77,9	47.3	27.2	16.),	10,0	6.4	2.9	.9	34.2	2414
	18-20	100.0	97,1	86.7	64.8	41.3	26,7	15.0	7.0	2.2	49.7	2410
<del></del>	21-23	100.0	98,3	92,9	80.0	57.9	39,8	26,6	14.7	4,3	57.1	240
10	TALS	99.6	93,5	81.3	66,9	50.3	35,1	22.9	12.6	4.2	52.2	1927

DATA PROCESSING DIVISION ETAC/USAF AIR WEATHER SERVICE (MAC). ASHEVILLE, NORTH CAROLINA

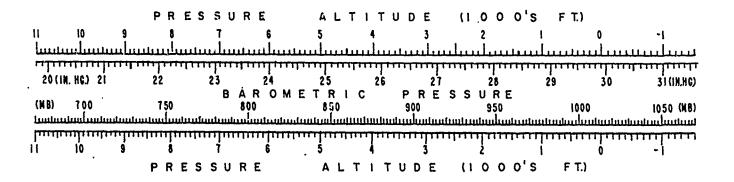
#### PART F

#### PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly syncptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

- 1. Station pressure in inches of mercury.
- 2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged codel of the pressure altitude scale in the Smithsonian Meteorological Tables.



#### MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

23111	LUKE AFB ARIZONA/PHOENIX	46,51463,65472
STATION	STATION NAME	YEARS

R5 (L S T )		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	ANHUAL
	MEAN	28.8872	8 . 8452	8 ,775	28,714	28,661	28,611	28,066	28,682	28,661	28,741	28,841	28,881	28,745
02	S D	.129	122	.122	095	.084				.074	.105	115	139	,137
	TOTAL OBS	613	341	584	606	648				630				7388
	MEAN	28,8852	8.8402	28.773	28.720	28-678	28.632	28.687	28.094	28.673	28.747	28.841	28.880	28,753
05	S D	,128	,123		094		,075	066						,132
	TOTAL OBS	616	541	583	606							7 - 7 -		7397
	MEAN	28,9152	8 . 875	28 . 815	28.768	28.723	28.681	28.733	28.737	28.716	28.787	28.877	28.911	28,792
08	S D	131	124	127	097	085		062			108			129
	TOTAL OBS	617	542	587	.603						648			7413
	MEAN	28,9452	8.897	28 - 828	28.772	28.718	28.674	28.728	28.735	28.719	28.744	28.891	28.336	28,851
11	S D	129	.123	123	097									
<del></del> -	TOTAL OBS	617	540	587	605						651	614		
	MEAN	28,8672	28.827	28.768	28.716	28.666	28.623	28.671	28.681	28.659	28.726	28.818	28.859	28,738
14	s p	124	119	119	097									
	TOTAL ORS	616	541	582	605									7417
	MEAN	28,8462	8.792	28.720	28-661	28.608	28.563	28.598	28.614	28.508	28.492	28.795	28.840	28,692
17	SD	122	118	117	099		.072		064	077				139
	TOTAL OBS	614	539	7.581	604									739
	MEAN	28,863	28.807	28 4734	28.666	28.612	28.360	28.604	28,624	28.615	28.707	28.814	28.859	28,703
20	S D	124	119	117	100		073				104			144
	TOTAL OBS	616	545	583	605	646	614							741
	MEAN	26.888	28.834	28:767	28.705	28.652	28.603	28.657	28.672	28.651	26.737	28.840	28,883	28,73
.23	\$ D	127	121		096		071	, Ö73	675	077	104			139
<del></del> -	TOTAL OBS	, , ,	245	585	607	646						1 1 2		741
	MEAN	28.887	28.640	28 :772	28.715	28.665	28,618	28.068	28.680	28.663	28.741	25.840	28,881	28,74
ALL HOURS	S D	130	125	125	104		083	oai						14
HOURS	TOTAL OBS	4 - 5 - 7	4334	4672	4841									5924

USAFETAC FORM 0-89-5 (OLI)

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DATA PROCESING RANGE USAF ETAC/ AIR WEATHR SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

SZA LEVEL PRESSURE IN MBS FROM HOURLY DESERVATIONS

STATION STATION NAME

42-46,51-72

HRS (L & T )		JAN	FEB	MAR	APR.	MAY	JUN.	JUL	AUG	SEP	ОСТ	NOV	DEC	ANNUAL
	MEAN	1018,2	1016.3	1013,9	1011.2	1009.0	1006,9	2008,6	1009,1	1008,7	1012.1	1016.0	1017.9	1012.2
02	S D	4.636	4.539	4,425	3,535	2.953	2,535	2,470	2.442	2,601	3,688	4.134	4,859	5,30
	TOTAL OBS	780	711			834	795	803	806	780			773	9409
	MEAN	1018.2	1016.3	1013.8	1011.5	1009.7	1007.8	1009.4	1009.6	1009.2	1012.4	1016.2	1017.9	1012.6
05	, S D	4,584	4.559	4.440	3,505	2.882	2.475	2.294	2.287	2,599	3.702	4.188	4,891	5,072
	TOTAL OBS	783	711	769		, 835	794	802	805	779	30	765	774	940
	MEAN	1019.4	1017.7	1015.4	1013.2	1011.3	1009.4	1011.0	1011.1	1010.8	1014-0	1017.7	1019,2	1014,1
08	SD	4.708	4.591	4.556	3.546	2,708	2.451	2.144	2.213	2,577	3.750	4,214	4.986	5.026
	TOTAL OBS	784	711	772		830	796	829	804	779	803	765	772	943
	MEAN	1020.3	1018.3	1015.7	1013.2	1011.0	1009.1	1010.7	1011.1	1010.7	1014.0	1017.5	1019,8	1014.
11	S D	4.616	4.514	4.401	3.515	2.941	2.485	2.147	2.257	2.001	3.686	4,128	4.909	5,22
	TOTAL OBS	784	710	772	7,789	0 48	795	828	804	778	806	734	771	943
	MEAN	1017.4	1015.7	1013.5	1011.2	1009.1	1007.3	1008.6	1009.0	1008-5	1011.	1015.2	1017.3	1011.
14	SD	4.444	4.367	4.291	3.547	2.988	2.565	2.245	2.387	2.735	3.558	3.961	4.753	4,97
	TOTAL OBS	765	709	767	787	833	7794	833	80	779		762		943
	MEAN	1016.8	1014.6	1012.0	1009.5	1007-3	1005.3	1006.2	1006.7	1006.8	1010-4	1014.5	1016.5	1010.
17	, ६०												4,665	
	TOTAL OBS	781			<u>',787</u>	829	797	829	805	778				942
	MEAN	1017.6	1015.3	1012.7	1009.8	1007-4	1005.2	1005.5	1007.2	1007.3	1011.2	1015-4	1017.4	1011,0
.20	S D.	4.455	4.267	4.200	3.619	2.997	2,584	2.461	2.563	2.776	3.66	3.983	4,692	5,60
	TOTAL OBS	7,93	715	7769	788	832	794	831	806	778	804	762	7773	943
	MEAN	1018.3	1016.1	2013.6	1011.0	1008.7	1006.6	1003.3	1008.5	1008-4	1012-0	1016.1	1018.1	1012.
.23	5 D	4.548	4.495	4.302	3.545	2.928	2.519	2.583	2.606	2.713	3.65	4.074	4,743	
	TOTAL OBS	777		771	790	832	794	83.	804	7775	806			
	MEAN	1018.3	1016.3	1013.8	1611.3	1009.2	1007.2	1008.7	1009.1	1008.8	1012.2	2016.1	1018.0	1012.
ALL HOJRS	S D	4.563	605	4.561	3.768	3.249	2.907	2.834	2.827	2.990	3.85	4.212	4,915	5,39
.,,,,,,	TOTAL ORS	6297	569	6157	6504	6652	6359	6388	6439	6230	6439			7540

USAFETAC FORM 0.89-5 (OLI)